


1913

Bulletin of the University of Nebraska: Annual Catalog of the College of Medicine, 1913-1914

University of Nebraska College of Medicine

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Bulletin of The University of Nebraska

ANNUAL CATALOG OF THE COLLEGE OF MEDICINE ANNOUNCEMENT 1913-1914



Published by the University

April 21, 1913

LINCOLN, NEBRASKA

The Bulletin of the University of Nebraska is published semi-weekly during the month of April, and monthly in May, June, August and November of each year by the University of Nebraska. Entered at the Post-Office at Lincoln, Nebraska, as second-class matter under Act of Congress July 16, 1894.

COLLEGES AND SCHOOLS OF THE UNIVERSITY

The University of Nebraska comprises the following colleges and schools:

The Graduate College

The College of Arts and Sciences, including the School of Fine Arts

The Teachers College, including the Teachers College High School

The College of Engineering

The College of Agriculture, including the Schools of Agriculture

The College of Law

The College of Medicine, including the School of Pharmacy

The Nebraska Agricultural Experiment Station, the New Agricultural School at Curtis and the Experimental Substations at North Platte, Culbertson, Valentine and Scottsbluff and the Farmers' Institutes are under the supervision of the Board of Regents of the University. The Lincoln Dental College has a contract with the University under which the sciences necessary for the degree in dentistry are taught at and by the University.

For separate catalogs or information regarding any of the above colleges or schools, address

THE REGISTRAR,

THE UNIVERSITY OF NEBRASKA,

Lincoln, Nebraska.

THE UNIVERSITY YEAR

The regular session of the University embraces thirty-nine weeks, beginning the third Wednesday of September, and is divided into a first and a second semester. A summer session of eight weeks immediately follows the close of the second semester class work. Instruction is offered from September to August.

To enter any session, one must be able either to present the minimum admission requirements to the University or to meet the conditions for "Adult Special" registration.

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THE UNIVERSITY OF NEBRASKA

CALENDAR FOR THE COLLEGE OF MEDICINE

1913

For the Work in Lincoln

September 15-20	Monday-Saturday	Entrance examinations.
September 17-20	Wednesday-Saturday	First semester registration.
September 20	Saturday, 8 p. m.	University reception to all students.
September 23	Tuesday, 11 a. m.	Opening address by the Chancellor.
November 26	Wednesday, 12 m.	Thanksgiving recess begins.
November 29	Saturday, 12 m.	Thanksgiving recess ends.
December 9	Tuesday	Regular meeting of the Board of Regents.
December 23	Tuesday, 6 p. m.	Christmas holidays begin.

1914

January 3	Saturday, 12 m.	Christmas holidays end.
Jan. 26-31	Monday-Saturday	Entrance examinations.
Jan. 28-31	Wednesday-Saturday	Second semester registration.
February 2	Monday	Second semester classes begin.
February 15	Sunday	Charter Day.
February 16	Monday	A holiday. Regular meeting of the Board of Regents.
March 16	Monday, 8 a. m.	Spring recess begins.
March 21	Saturday, 12 m.	Spring recess ends.
April 7	Tuesday	Regular meeting of the Board of Regents.
June 8	Monday, 4 p. m.	Final recommendations for degrees by faculties.

Commencement Week

June 7	Sunday	Baccalaureate sermon.
June 9	Tuesday	Regular meeting of the Board of Regents.
June 10	Wednesday	Alumni Day. Class Day.
June 11	Thursday	Forty-third Annual Commencement.
June 12	Friday	Registration for the Summer Session.
September 16	Wednesday	First semester begins (1914-1915).

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For the Work in Omaha

September 9	Tuesday	Registration
September 10	Wednesday	Lectures begin.
November 26	Wednesday, 12 m.	Thanksgiving recess begins.
November 29	Saturday, 12 m.	Thanksgiving recess ends.
December 23	Tuesday, 6 p. m.	Christmas vacation begins.

1914

January 5	Monday, 8 a. m.	Christmas vacation ends.
January 22-23	Thursday-Friday	First semester examinations.
January 26	Monday	Second semester classes begin.
February 22	Sunday	Washington's birthday.
May 8	Friday	Senior lectures end.
May 11-20	Monday-Wednesday	Senior examinations.
May 21	Thursday	Commencement.
May 22	Friday	Junior lectures end.
May 25-29	Monday-Friday	Junior examinations.
September 8	Tuesday	First semester begins (1914-1915).

OFFICERS OF ADMINISTRATION AND INSTRUCTION IN LINCOLN

- ✓ SAMUEL AVERY, Ph. D., LL. D., Chancellor of the University.
 - JAMES STUART DALES, M. Ph., Secretary of the University.
 - EDWARD MARKWOOD RUTLEDGE, A. B., Registrar and University Publisher.
-
- ✓ ROBERT HENRY WOLCOTT, A. M., M. D., Acting Dean of the College of Medicine.
 - ✓ HERBERT HAROLD WAITE, A. M., M. D., Professor of Bacteriology and Pathology.
 - ✓ BENTON DALES, Ph. D., Professor of Chemistry.
 - ✓ AUGUST ERNEST GUENTHER, Ph. D., Professor of Physiology.
 - ✓ RUFUS ASHLEY LYMAN, A. M., M. D., Professor of Pharmacology and Director of the School of Pharmacy.
 - ✓ WILLIAM ALBERT WILLARD, Ph. D., Professor of Histology and Embryology.
 - ✓ CHARLES WILLIAM McCORKLE POYNTER, B. Sc., M. D., Professor of Human Anatomy.
 - ✓ FRANKLIN DAVIS BARKER, Ph. D., Associate Professor of Zoology.
 - ✓ HIRAM WINNETT ORR, M. D., Assistant Professor of the History of Medicine.
 - ✓ MARY LOUISE FOSSLER, A. M., Adjunct Professor of Chemistry.
 - ✓ GEORGE HEMAN WALKER, M. D., Adjunct Professor of Anatomy.
 - ✓ JAMES F. STEVENS, A. M., M. D., Adjunct Professor in Charge of Materia Medica.
 - ✓ LAWRENCE B. PILSBURY, A. B., M. D., Adjunct Professor of Bacteriology and Pathology.
 - ✓ IRVING SAMUEL CUTTER, B. Sc., M. D., Adjunct Professor of Chemistry.
 - ✓ JOHN JACOB PUTNAM, A. M. Adjunct Professor of Bacteriology and Pathology.

- HENRY JOHN LEHNHOFF, A. B., M. D., Instructor in Surgery.
- DAVID CLARK HILTON, A. M., M. D., Instructor in Anatomy.
- J. STANLEY WELCH, B. Sc., M. D., Instructor in Physical Diagnosis.
- EDWARD WINFIELD ROWE, B. Sc., M. D., Instructor in Materia Medica.

Committees of the Faculty in Lincoln

Course of Study—the Dean (chairman), Professors Waite, Dales, Lyman, Doctor Pillsbury.

Publication—Professor Orr (chairman), Professors Guenther, Willard.

Advanced Standing—The Chancellor, the Dean, and the Inspector of High Schools.

Schedule of Classes—Professor Dales (chairman), Professor Barker, Doctor Rowe, the Registrar.

Convocation and Review Courses—Professor Lyman (chairman), Professors Guenther, Poynter, Doctors Welch and Cutter.

1913-
OFFICERS OF ADMINISTRATION AND INSTRUCTION
IN OMAHA

- WILLSON ORTON BRIDGES, M. D., Associate Dean of the College of Medicine and Professor of the Principles and Practice of Medicine and Clinical Medicine.
- HAROLD GIFFORD, B. Sc., M. D., Professor of Ophthalmology and Otology.
- RICHARD CHANNING MOORE, M. D., Professor Emeritus of Diseases of the Mind.
- WILLIAM FORSYTH MILROY, M. D., Professor of Clinical Medicine and Physical Diagnosis.
- AUGUST FREDERICK JONAS, M. D., Professor of the Practice of Surgery and Clinical Surgery.
- HARRY MONROE McCLANAHAN, A. M., M. D., Professor of Pediatrics.
- BYRON BENNETT DAVIS, A. B., M. D., Professor of the Principles of Surgery and Clinical Surgery.
- FRANK STYLES OWEN, M. D., Professor of Laryngology and Rhinology.
- ANDREW BARTHOLOMEW SOMERS, M. D., Professor of Obstetrics.
- SOLON RODNEY TOWNE, A. M., M. D., Professor of Hygiene and State Medicine.
- JOSEPH MELANCHTHON AIKIN, M. D., Professor of Nervous and Mental Diseases.
- PALMER FINDLEY, A. M., M. D., Professor of Didactic and Clinical Gynecology.
- ALFRED SCHALEK, A. M., M. D., Professor of Dermatology and Genito-Urinary Diseases.
- ARTHUR CHARLES STOKES, B. Sc., M. D., Associate Professor of Genito-Urinary Surgery and Surgical Anatomy.
- CHARLES WHITNEY POLLARD, A. B., M. D., Adjunct Professor of Obstetrics.
- JAMES SAMUEL GOETZ, M. D., Adjunct Professor of Therapeutics.
- BURTON WHITFORD CHRISTIE, B. Sc., M. D., Instructor in Pediatrics.

- ALFRED OLAF PETERSON, A. M., M. D., Instructor in Internal Medicine.
- ✓ RODNEY WALDO BLISS, B. Sc., M. D., Instructor in Clinical Pathology and Internal Medicine.
- ROBERT RUSSELL HOLLISTER, A. B., M. D., Instructor in Surgery and Gynecology.
- ✓ CHARLES REX KENNEDY, M. D., Instructor in Surgery.
- HENRY BASSETT LEMERE, M. D., Instructor in Ophthalmology and Otology.
- ERNEST TIBBETS MANNING, M. D., Instructor in Medicine.
- ✓ WILLIAM PENALUNA WHERRY, M. D., Instructor in Laryngology and Rhinology.
- CHARLES CAMPBELL MORISON, A. B., M. D., Instructor in Surgery.
- CHARLES AARON HULL, M. D., Instructor in Surgery.
- ✓ JAMES McDOWELL PATTON, A. M., M. D., Instructor in Ophthalmology and Otology.
- ALFRED JEFFERSON, M. D., Instructor in Therapeutics.
- GLYNDON ALEXANDER YOUNG, M. D., Instructor in Mental and Nervous Diseases.
- NORA MAY FAIRFIELD, M. D., Clinical Assistant in Gynecology.
- ✓ JOHN CLYDE MOORE, Jr., B. Sc., M. D., Clinical Assistant in Medicine and Superintendent of Dispensary.
- HOWARD BROWNLEE HAMILTON, M. D., Clinical Assistant in Medicine.
- CLARENCE RUBENDALL, B. Sc., M. D., Clinical Assistant in Laryngology and Rhinology.
- JOHN B. POTTS, M. D., Clinical Assistant in Ophthalmology and Otology.
- WILLIS HARVEY TAYLOR, B. Sc., M. D., Clinical Assistant in Obstetrics.
- AUGUSTUS DAVIS CLOYD, M. D., Lecturer on Life Insurance Examinations.
- ALFRED ONIAS HUNT, D. D. S., Lecturer on Dental Surgery.
- ✓ GEORGE MOGRIDGE, M. D., Lecturer on Arrested Development, Glenwood, Iowa.
- ERNEST CLIFFORD PAGE, Ph. M., LL. B., Lecturer on Medical Jurisprudence.

DISPENSARY STAFF

Superintendent of Dispensary—Dr. Moore.

Internal Medicine—Professors Bridges and Milroy; Assistants, Doctors Hamilton, Moore and Anderson.

Surgery—Professors Jonas, Davis and Stokes; Assistants, Doctors Nielson and Lieber.

Eye and Ear—Professor Gifford; Assistants, Doctors Potts and Callfas.

Nose and Throat—Professor Owen; Assistant, Doctor Rubendall.

Pediatrics—Professor McClanahan; Assistants, Doctors Moore and Anderson.

Obstetrics—Professor Somers; Assistant, Doctor Pollard.

Gynecology—Professor Findley; Assistants, Doctors Fairchild, Van Fleet, and Lieber.

Nervous Diseases—Professor Aikin.

Dermatology—Professor Schalek.

Genito-Urinary Surgery—Associate Professor Stokes.

Drug-Room—Andrew Harvey, B. Sc.

Committees of the Faculty in Omaha

Students and Examinations—Professors Jonas and Milroy.

Faculty and Catalog—Professors Gifford and Findley.

Clinics and Lectures—Professors Bridges and Owen.

Laboratories and Dispensary—Professors Jonas and Findley.

Finance and Supplies—Professors Owen and Somers.

Employees—Professors Somers and Bridges.

Commencement and Entertainment—Professors Davis and Gifford.

Building, Grounds and Repairs—Professors Milroy and Davis.

ORGANIZATION OF THE COLLEGE OF MEDICINE

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and had experienced strong and steady growth. As an integral part of the University, and gathering strength from that connection, the College has gone rapidly forward. The requirements for entrance have been raised step by step, keeping pace with those of the better class of medical colleges, and now are on a plane generally recognized as the highest practical for colleges the primary aim of which is the training of practicing physicians.

The work of the first two years has up to the present been carried on at Lincoln. Here the laboratories of the University, directed by well trained and experienced teachers, who devote their entire time to instruction, and with equipment adequate for thorough instruction in the ordinary subjects of the medical course, furnish a preparation which is a substantial basis for the clinical work. The work of the last two years has been done at Omaha, where are afforded clinical facilities more than ample for all purposes of undergraduate medical instruction.

The State Legislature of 1909 appropriated funds with which to purchase a site for a medical campus in Omaha and the Legislature of 1911 voted another appropriation of \$100,000, for a laboratory building on this campus. This building, now under construction, is the first of a group of buildings planned to provide ultimately a complete medical college plant.

It is expected that with the completion of this building during the current session, removal can be effected in such time as to permit the offering of all four years of the course in Omaha, after September, 1913.

This removal will inevitably involve many changes, of which announcement cannot now be made. This catalog is therefore issued as a catalog for the year 1912-13, and a supplementary announcement for the year 1913-14 will be published later.

STANDING

The College of Medicine meets the requirements of the most exacting state examining and licensing boards and its diploma grants the holder all privileges accorded to graduates of any medical college in the United States. The Royal Colleges of Physicians and Surgeons in England has added the University of Nebraska to the short list of American institutions whose Graduates in Medicine may, on production of the required certificate of

study, be admitted to the final examination before the Examining Board in Medicine, Surgery and Midwifery, which places them on the same basis as graduates of the best English colleges. This recognition is of especial interest to those students who are planning to take up work in foreign lands as medical missionaries.

METHODS OF INSTRUCTION

The course of study in medicine covers four years, there being in each of the first three years thirty-four weeks of class work and in the senior year thirty-two, exclusive of all registration and examination days. During the first two years those laboratory sciences are pursued which form the basis for the clinical studies of the last two. The objective method is followed, not only in the laboratories, but also in the clinical instruction, where constant reference is made to the facts acquired from laboratory work in the fundamental branches. Emphasis is in all cases placed on individual effort on the part of the student, of whom is required work as independent as is consistent with the further demand that he thoroughly cover the field.

The course embraces also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations and other appropriate means to broaden the mind of the student and to coordinate the facts acquired in laboratory and clinic. Frequent quizzes and examinations test the student's progress in each line of work.

The College affords unique opportunities for the most thorough instruction. The moderate size of the classes insures close contact between student and instructor, which is of the utmost importance in securing an exact knowledge of the fundamental branches. The sectional method of clinical work also brings the individual student in intimate contact with his clinical instructors, affords him an opportunity to study each case thoroughly and at short range, and allows him to secure a very unusual amount of bedside instruction.

The student is urged to add to his preparation a fifth year taken as an interne in some hospital, or spent in some laboratory, and provision is made whereby the student may secure on the completion of this year a second degree—Doctor of Medicine *cum laude*. But this fifth clinical year is yet optional.

Six-year Combined Course. In addition to the four-year course leading to the degree of Doctor of Medicine, which must be preceded by

two years of college work, there is offered a combined collegiate and medical course of six years. By the use of the laboratory subjects of the first two years of the medical course as electives in his collegiate course, the student is enabled to receive, at the end of four years, the degree of Bachelor of Science, and at the end of six years that of Doctor of Medicine. This can only be accomplished by following closely the course as outlined in later pages of this catalog. A student registered for the degree of Bachelor of Arts may arrange a similar course by the same use of his electives, but he will probably find it necessary to spend seven years to meet the requirements for the Bachelor of Arts degree, and to secure, at the same time, the scientific training required for the degree in medicine.

ADMISSION TO THE COLLEGE OF MEDICINE

Entrance Requirements. For admission to the College of Medicine a candidate must present credentials showing that he has completed (1) a standard four-year high-school course entitling him to 30 entrance credits or "credit points"* equivalent to those laid down as the minimum requirements of the Association of American Medical Colleges, and (2) two years of college work in this University or some other reputable college or university, including at least a year each of chemistry, physics, zoology, and German. This means that the graduate in medicine must have had at least six years of work above the four-year high-school course. The difference between the six-year combined course and the four-year course preceded by the required two college years lies in the fact that all of the work of the two preparatory years of the latter not being prescribed, there is latitude of election which will be of advantage to A. B. students and those who come from other colleges and universities and who do not seek a B. Sc. degree here. Two points of some importance should be noted in connection with this extended course. The initial years, if taken at the University of Nebraska, are not subject to the fees of the professional course, but demand only the moderate laboratory fees required of the general scientific student. Secondly, the work may be taken at any college of standard entrance requirements. There are many colleges which cover the introductory work noted in an eminently satisfactory manner, and in such cases

* An entrance credit or "credit point" is given for the work of a class holding five recitations a week, of from 40 to 50 minutes each, for at least 18 weeks. In laboratory courses a credit or "credit point" is given for three recitations and two double periods of laboratory work (under the supervision of an instructor) each week for at least 18 weeks.

the student with proper credentials may enter directly into the first year of professional work in medicine, i. e., of the four-year course.

For admission to the six-year combined course, the candidate must meet the entrance requirements demanded by the College of Arts and Sciences, which are 30 credit points. Conditional admission to the College of Arts and Sciences is permitted on a minimum of 28 entrance credits or "credit points" to graduates of accredited secondary schools; but all such conditions must be removed before the student may be admitted to the College of Medicine. Women are admitted to the College of Medicine on the same terms as men.

Entrance Subjects (30 points). The 30 points required for admission must be presented from the following subjects in the amount indicated; the time element is essential:

Required Subjects—	Points
English	4
History (European) (a)	2
Language (Foreign) (b)	6
Mathematics	4
Science (Laboratory) (c)	2
Elective Subjects—	
Other subjects taught in an approved manner in an accredited secondary school	12
Total.....	30

- (a) History: It is recommended that Greek and Roman History be offered in meeting the European History requirement.
- (b) Language: For entrance to the College of Arts and Sciences at least two years of Latin are recommended. Two years (four points) are required of students entering the six-year combined Academic-Medical course unless excused by the committee on accredited schools.
- (c) Science: It is recommended that Physics be offered in meeting the science requirement. While Chemistry is not among the required entrance points, students will find it of great advantage to have a year of high school chemistry for entrance.

College Credits. To fulfil the two years college requirement demanded for entrance to the College of Medicine the prospective student must present credentials showing the completion of work equivalent to 60 university "hours" and including:

Physics, 6 hours; Zoology, 6 hours; Chemistry, 10 hours; German, 10 hours.

Conditional admission is allowed with a minimum of 51 hours if the character of the student's preparation is such that during the first year and the following Summer Session, in which is permitted registration up to 9 credit hours, all deficiencies can be removed and the work of the first year also be completed in full.

Entrance from "Accredited" Schools. The University maintains a list of "accredited" high schools and academies whose *graduates* are admitted to any undergraduate college or school of the University without examination in those subjects in which their work is duly certified. A candidate for admission submitting credentials from a non-accredited school or from an accredited school without being graduated must be prepared to take examinations. A student desiring to ascertain in advance of the opening of the school year whether or not he may be admitted to the freshman class should apply to the Registrar of the University or the Dean of the College of Medicine for blank credential slips; when these are properly filled out and returned, he will be informed at once whether or not his credentials are acceptable, and what will be required of him. In all cases the entrance credits are passed upon by the Registrar in frequent consultation with the Inspector of Accredited Schools. It is highly desirable that all candidates for admission forward their entrance credentials at least one month in advance. Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session. However, plans are made so that students who enter at the opening of the second semester may arrange a suitable program of work.

Advanced Standing. Advanced standing may be granted under the following conditions: (1) Applicants for advanced standing must offer admission credits equal to those required by this college. (2) In accordance with the recommendation of the Association of American Medical Colleges, the College of Medicine does not grant any time credit toward the M. D. degree to holders of a bachelor's degree; this means that the total time spent by each student taking his medical degree must include as a minimum four years of registration in a medical college. (3) Students

coming from other medical colleges of equal standing and maintaining the same entrance and course requirements are, on presenting certificates of honorable dismissal, admitted to the corresponding class in this institution. Students from medical colleges of less standing and not maintaining the same entrance and course requirements are only admitted to the class into which the subject credit secured entitles them to enter, and are also required to make up all entrance deficiencies. (4) There will be no change in the practice heretofore observed concerning subject credit, the granting of which is at the discretion of the head of each department, subject to the meeting of such conditions or the passing of such examinations as he may with reason impose. Admission to any class does not necessarily carry with it credit in all work previously done by the class, since the head of any department has the right to demand satisfactory evidence of the completion of previous work in that subject equal to that required of the student of this College, and in case the work is not equal to such requirement the deficiency stands against the student as a "condition" till removed. In case subject credit is granted in excess of that previously done by students of the class into which the applicant enters, he is free to use the time thus gained in such extra work as he may elect. Thus students who come from high grade colleges and have completed a portion of the required work may be enabled to pursue studies for a master's degree or to go into advanced courses in any department in which they are prepared to work.

Adult Special Students. When circumstances are such as to allow it without detriment to the work of candidates for degrees, a student not seeking a degree may be admitted as an unclassified "Adult Special" student. A junior or a senior in the College of Arts and Sciences may, with the consent of the department involved, take any of the courses offered in the College of Medicine by registering as an unclassified student in this College and paying the laboratory fees attached to the course or courses chosen and also a *pro rata* tuition fee; provided, however, that the tuition charge for any course in the College of Medicine so taken by a student in either of the general colleges shall in no case be less than \$5.00 a semester.

Registration. Certain days at the beginning of each semester are allowed for registration. To promote prompt registration, a fee of \$3.00 is charged any student who, unless excused by the Chancellor, seeks to register outside of these days. A like fee of \$3.00 is charged for re-registration when made necessary by the student's fault. Any change

whatever in a registration once made is regarded as a re-registration. A student taking the college work required for entrance to the College of Medicine matriculates and registers in the College of Arts and Sciences until the necessary amount of college work is completed. A student taking the combined six-year course for the degrees of Bachelor of Science and Doctor of Medicine matriculates and registers only in the College of Arts and Sciences during the first two years of his work. He continues to register in the College of Arts and Sciences during the next two years, or until he receives his B. Sc. degree; but he must also matriculate and register in the College of Medicine at the beginning of the third year's work and must register regularly thereafter in the College of Medicine. If he is a candidate for the A. B. degree, he must begin to register also in the College of Medicine not later than the beginning of the fourth year of his course, as at least four years' registration in a college of medicine is required of all who receive the M. D. degree. No regular student is registered for less than twelve (12) hours a semester without the Dean's permission, nor under any condition for more than eighteen (18) hours. No student may add any subject to his schedule or drop from it any subject for which he has been regularly registered, without written permission from the Dean. Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration. Any change in a student's residence must be immediately reported to the Registrar.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Medicine is granted only under the following conditions:

1. The candidate must be twenty-one years of age.
2. He must possess a good moral reputation.
3. He must have complied with all the requirements of admission and must have paid all his fees.
4. He must have completed and have secured credit in all required subjects in the curriculum.
5. He must have pursued the study of medicine for at least four years and must have passed the necessary examinations and have received credit for at least four full years of instruction at medical colleges in good standing. The last year he must have taken in this institution.

Credit. In accordance with the Constitution of the Association of American Medical Colleges, each student is obliged to attend at least 80

per cent of the exercises in every annual course of study for which he seeks credit. No student is given credit on examination unless he obtains a grade of at least 70 per cent, and no credit is granted in any college course in which the student does not secure an equivalent grade. By vote of the clinical faculty the passing grade for medical students in the third and fourth years of the course is 75 per cent, which is the grade required in licensing examinations of the Nebraska State Board of Health.

Absence or Withdrawal. The Dean of the College of Medicine is the adviser of all students in the College of Medicine. He has a consultation hour in the dean's room, Administration Hall 104, where students may call seeking advice touching their work. A leave of absence for a short time may be granted a student by the dean of his college. This leave is merely a justification for absence and not an excuse from any work. Students not previously excused must make request for excuse for absence within two weeks from the time the absence ceases. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Registrar grants him permission to do so. If he is in good standing and is not a minor he is given honorable dismissal from the University at his own request; if a minor, at the request of his parents or guardian.

FEES AND EXPENSES

Fees. All fees (excepting the diploma fee) and charges to students in Lincoln are payable in advance to the Secretary of the University; to students in Omaha, at the office of the College in the College building. No fees can be refunded to a student after the beginning of the fourth week from the date of his registration save for causes beyond the student's control. In the latter instances the refund can be made only upon written application to the Registrar, the application stating the reasons, and being presented at the time of withdrawal from a course or from the University. The schedule of fees in the College of Medicine is as follows:

Matriculation fee	\$5
Diploma fee	5
Diploma fee, absentia, additional	10
Diploma, "cum laude," fee.....	10

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

THE UNIVERSITY OF NEBRASKA

FIRST-YEAR AND SECOND-YEAR FEES.

Tuition, first semester (or any single semester).....	\$25
Tuition, second semester	20
Incidental, each semester (in College of Arts and Sciences 6-year combined course)	3

LABORATORY FEES

Anatomy 1	\$15
Anatomy 2	10
Anatomy 3	5
Anatomy 8	3
Anatomy 11, 12	graduated
Bacteriology 1	8
Botany 1, 2	each 2
Chemistry 41	2
Chemistry 1, 2, 34	each 5
Chemistry D, 1 and 2 combined, 3.....	each 10
Clinical Diagnosis (Pathology 4)	4
Histology and Embryology 1 and 11.....	6
Histology 4	5
Histology (Organology), 12	4
Histology 13, each credit hour	2
Histology 1a, 15	2
Materia Medica (Pharmacology 4)	2
Pathology 2	10
Pharmacy (Pharmacology 1)	5
Pharmacodynamics (Pharmacology 2)	10
Physical Diagnosis (Physiology 14)	2
Physics 11, 12	each 4
Physiology 12	9
Physiology 13	6
Zoology 3, 4, 7, 15.....	each 2
Zoology 1, 2.....	3
Zoology 6	5
Zoology A	4

JUNIOR YEAR.

Fees for all required exercises, including all laboratory and clinic fees..	\$80
Breakage deposit	10
Examination fee	10
Experimental Surgery, laboratory fee	5

SENIOR YEAR.

Fees for all required exercises, including laboratory and clinic fees...	\$80
Breakage deposit	10
Examination fee	10

Breakage in the laboratory and damage to the college property are charged to the individual or class responsible. In case the damage can not be located, it is charged the class *pro rata*.

A graduate of any recognized medical college who desires to attend the Omaha clinical work of the University of Nebraska College of Medicine may do so by paying the matriculation fee of \$5 and \$5 for each course taken.

Expenses. In Omaha board and lodging cost from \$3 to \$5 a week. By means of clubs students materially reduce this expense. The Young Men's Christian Association issues to students in the College of Medicine special season tickets at a very small cost, granting the privilege of the association's building—baths, gymnasium, parlors, lectures and concerts. Comfortably equipped rooms may be rented at reasonable prices. The location relative to the College makes the Young Men's Christian Association building a convenient home for the students. In Lincoln board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University keep lists of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the Registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

GRADUATE WORK IN MEDICINE

To provide a still more thorough training in medicine the College of Medicine offers an additional optional year of graduate study, consisting of (1) research work in any one of its departments; or (2) work as an interne in some approved hospital; or (3) advanced study in some appropriate field at a research laboratory or other institution of higher learning, together with the preparation of a thesis. This thesis must embody the results of independent observation and investigation in connection with any one of the types of work mentioned above and the subject must be approved

at the beginning of the work by the student's advisory committee. This thesis shall be presented to the advisory committee at least one month prior to the date of taking of the degree and shall be by them placed where members of the faculty may freely examine it.

On completion of the required work and the presentation of a satisfactory thesis, the student may receive the degree of Doctor of Medicine *cum laude*, provided he is favorably recommended to the faculty by his advisory committee and the faculty by unanimous vote approves the recommendation.

A student desiring to become a candidate for this fifth year's work should indicate his purpose in writing with the Dean on or before Commencement Day of the year preceding such advanced study. His advisory committee, the chairman of which must be a member of the faculty of this college and either the head of the department in which he is to work or the chief of staff of the hospital in which he is to serve as interne, will be appointed at once and take charge of his work.

Normally, hospital internships are taken in some one of the affiliated hospitals; all other cases must be the subject of specific request and approval by the faculty on recommendation of the Dean. Approval must also be secured from any non-affiliated hospital elected, and the chief of its staff must express in writing his willingness to accept the interne and to carry out the conditions laid down by the committee for his work.

The candidate must also secure permission in order to undertake work at a research laboratory or other institution, and must fulfill all conditions which his committee may impose.

EQUIPMENT

The Work in Lincoln is given in the various laboratories of the University, which are well equipped with the necessary apparatus. A more detailed description of the facilities provided is found in connection with the announcement of courses given by different departments.

The present college building in Omaha, completed in 1899, is situated at the corner of Twelfth and Pacific streets, and is a brick and stone structure, having four stories above the basement. On the first floor are the faculty room, the student's lobby, and the free dispensary. The latter comprises a waiting room for patients, a pharmacy, a dispensary laboratory, and numerous departmental clinic rooms for the systematic examination and treatment of patients. On the second floor are the offices, the amphi-

theater with a seating capacity for 250, the library, the reading room, and a commodious coat room. On the third floor are the museum, chemical laboratory thirty by fifty feet in size, private rooms for the professors of surgical anatomy, clinical chemistry, and pathologic anatomy, and a smaller amphitheater with a stationary table to which gas and running water are supplied for practical demonstrations in these branches. The fourth floor is wholly given up to microscopic work. The laboratories, occupying a space of one hundred by thirty-five feet, have light on every side. Stationary tables for the preparation and mounting of specimens occupy the center of the room. These tables are supplied with gas and running water and are made as convenient as possible to conserve the student's time. In front of each window is a table, furnished with gas attachments and Bunsen burners. In this room are lockers so that each student has a safe place for his working outfit. The clinical and pathological laboratories are commodious and provided with abundant light. The arrangement is such that the class may, at a moment's notice, be assembled from the laboratory desks to recitation benches at one end of the room, where demonstrations may be made from gross specimens by the use of series of blackboards or by means of projection apparatus. These laboratories are provided with a lantern, a projection microscope and a complete Zeiss epidiascope, as well as a collection of slides, models and charts. Clinical laboratory instructors are included in the faculty, the clinical laboratories are thoroughly equipped, and much time is devoted to the study of clinical pathology in the laboratories in connection with the lectures and clinics. The museum has been enlarged and affords a large variety of well-selected material for demonstration.

CLINICAL FACILITIES

For practical teaching in all departments of medicine and surgery, this College has unusual clinical facilities. Its students have access to seven hospitals, in five of which the College has exclusive clinical privileges.

The College Dispensary. The College Dispensary on the first floor of the College building is designed for the gratuitous treatment of all worthy charitable cases that may apply. The space assigned includes a large reception room and adjoining consultation rooms for the separate examination and treatment of cases in surgery, medicine, gynecology, pediatrics, eye, ear, nose, throat, skin and genito-urinary diseases. Members of the clinical faculty and their assistants are in daily attendance from twelve to

two o'clock. Students in the senior class assist, serving in rotation the different departments. The material available is ample to demonstrate the usual diseases and accidents met with in practice. Selected cases are demonstrated and discussed with especial care before the entire class. Advanced students are often sent out from the clinic to see urgent cases at their homes and to make reports thereon to the instructor in charge. Students who have not had experience in dispensing drugs are assigned in rotation to the pharmacy in connection with the dispensary, where they are instructed in writing and reading prescriptions and in compounding and dispensing drugs.

The Nebraska Methodist Hospital. In the Nebraska Methodist Hospital, which received about 1,450 patients last year, this college has exclusive clinical privileges. A new, commodious, fire-proof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement, has been recently erected. It contains an operating pavilion and amphitheater seating about 100 students and is furnished with the best appliances known. At this hospital weekly clinics are held throughout the session for the advanced class in surgery, orthopedics, internal medicine, and ophthalmology and otology. From the graduating class three internes are selected for a year's service each, with provisional opportunities for extended work.

The Immanuel Hospital. In the Immanuel Hospital this College has exclusive clinical privileges. The hospital is well arranged and thoroughly equipped for the application of scientific methods in the treatment of disease. It consists of two buildings and the new one is very modern. The arrangements have been completed to install an up-to-date X-ray plant. The hospital laboratory is open to students detailed to work out clinical cases. The capacity of the two buildings is one hundred and twenty beds. Two internes are selected from each graduating class to serve one year. Opportunity will be given them for special research work.

The Douglas County Hospital, costing \$200,000 and accommodating 300 patients, includes a maternity pavilion and an insane department. There has lately been added a pavilion for the modern treatment of cases of consumption. This institution is in reality the charity hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country are found here, the students of this college have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in

surgery, medicine, genito-urinary diseases, dermatology, gynecology, mental diseases and obstetrics. Two resident physicians are appointed each spring for a term of one year. Always one and frequently both of these have been graduates of this college.

The Clarkson Memorial Hospital, a new modern building, located at Twenty-first and Howard streets, within an easy walk of the College, was occupied in the spring of 1909. It is a thoroughly modern hospital building, and has 70 beds and two operating rooms. The hospital affords opportunities for two internships. Clinics in gynecology and obstetrics are held by appointment.

The Wise Memorial Hospital. This hospital has been rebuilt and trebled in size. The new building is of stone, pressed brick and iron construction. It is modern in every respect. It has a separate obstetric and children's ward. There are seventy-five beds, and two well equipped operating rooms. Clinics in medicine and surgery are held weekly in the amphitheatre. Clinics in otology and rhinology by appointment. Two internes are chosen from the graduating class each year for a service of one year. The laboratory is equipped with the apparatus necessary for clinical examinations. The location is within walking distance of the new building.

The Swedish Mission Hospital, located at 24th and Pratt streets, has a capacity of forty-five beds. The operating room has recently been remodeled and is modern in every way. A well equipped laboratory is at the disposal of the staff. An X-ray apparatus has been installed, and is used for diagnostic and therapeutic purposes. Special medical and surgical clinics are held here by appointment. Two internes are appointed each year from the graduating class.

In the **Child-Saving Institute** this College has exclusive clinical privileges. The Institute now occupies a new building especially constructed for its use, at Forty-second and Harney streets, directly across the street from the new clinical campus. The building embodies all the latest improvements; it contains operating and sterilizing rooms and isolating wards, also a well equipped laboratory where seniors may have the opportunity of doing original work and examining the stools and blood and urine. The opportunities here for the study of the dressing, care and feeding of infants, and of the diagnosis, progress and treatment of the different gastro-intestinal and contagious diseases of childhood are unexcelled. Occasional outbreaks of infectious diseases among the constantly changing

inmates afford unusual opportunities for illustration of the subjects taught in the course of pediatrics.

The City Mission—Arrangements have been made by which the clinical material of this institution is at the disposal of the College clinic.

HOSPITAL APPOINTMENTS

The Glenwood Institute for the Feeble Minded affords a salaried physician as a house physician for one graduate in medicine each year. At the Douglas County Hospital two internes are appointed each year. Two internes are chosen by the medical staff of the Omaha General Hospital. The following internships are filled exclusively from the graduating class of the College of Medicine for a service of one year; three at the Nebraska Methodist Hospital; two at the Immanuel Hospital; two at the Clarkson Memorial Hospital; one at the Wise Memorial Hospital; two at the Swedish Mission Hospital.

Several graduates of the College secure positions each year in other hospitals in Nebraska and adjacent states. The faculty receives frequent inquiries from superintendents of hospitals desiring recent graduates for such positions. The proportionate number of these positions open to the college will thus be seen to be far beyond that open in the majority of medical colleges, and under present conditions all capable students desiring hospital training may obtain the inestimable advantage of a year's hospital service before entering upon private practice.

PUBLIC HEALTH

The College of Medicine, as a state institution, recognizes its duty to the public in matters touching the health of the people. Members of the medical faculty in Lincoln give occasional addresses of general interest on medical subjects at the regular University convocations and elsewhere. The College of Medicine has aided in the formation within the Nebraska State Teachers' Association of an auxiliary section on "Popular Medical Education," the object being to discuss medical subjects of practical importance in our public schools. Different members of the faculty also participate actively in the work of several other societies having for their aim the conservation of health and the diffusion of knowledge in regard to public health and sanitation.

LIBRARIES, PUBLICATIONS AND SOCIETIES

In Omaha the College of Medicine library contains about 1,000 volumes, including a collection of text-books covering the entire range of medical science. This collection does not obviate the necessity of students having their own text-books, but offers greater opportunities for investigation of subjects in which they are specially interested. Periodical literature is also on file. The Omaha Public Library includes a good medical library, the use of which is free to students in the College.

In Lincoln the following libraries, aggregating 279,000 volumes, are accessible to students: The University Library of 106,000 volumes, particularly strong in those scientific lines wherein lies the first two years' work of the student of medicine, and including special departmental libraries in botany, chemistry, hygiene, physiology, zoology, bacteriology, pathology, and medicine. The Lincoln City Library, of 33,000 volumes, has an alcove devoted exclusively to medical literature. The State Library of 80,000 volumes at the Capitol, includes valuable medical works in certain lines. The Nebraska State Historical Society Library of 60,000 volumes, contains useful series of public documents, such as reports of state boards of health and of state hospitals and other institutions.

The Alumni Association of the College of Medicine maintains an active and efficient organization, of advantage to both the graduates and the University. In order that the College may keep in touch with its Alumni they are requested to notify the Registrar and the secretary of the association when they change their address.

The Clinical Review Week, tried as an experiment in the fall of 1910, and repeated in 1911 and 1912, has proven so successful that it has been determined to make it an annual affair. The dates selected in 1912 were October 14 to 19, inclusive; those for 1913 have not been selected, but will probably include the corresponding week. The forenoons are devoted to clinics, the afternoons to round-table discussions and the evenings to social pleasures.

The Medical Society of the University of Nebraska, at Lincoln, is a student organization to membership in which any student in the University at Lincoln looking forward to medicine is eligible. Meetings are held periodically, some of which are addressed by members of the faculty or others invited to do so; other meetings are purely social.

GENERAL COLLEGE PRIVILEGES

Students in the College of Medicine have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is required of all students in the college years preparatory to the work in medicine, and in the first two years of the six-year combined course.

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements and in certain lines of laboratory work.

ORDER OF SUBJECTS IN THE SIX-YEAR COMBINED ACADEMIC AND MEDICAL COURSE

All students are urged to take this course, if possible, since it affords the best possible training with the greatest economy of time, and furthermore gives the student the advantage of possessing the bachelor's degree.

FIRST YEAR	1st Semester Hours	2d Semester Hours
Chemistry 1, 2	2	2
Botany 1, 2	3	3
General Zoology (Zoology 3, 4)	3	3
Rhetoric 1, 2	2	2
Modern Language (German)	5	5
Military Drill	1	1
	<hr/> 16	<hr/> 16
SECOND YEAR		
Physics 11, 12	3	3
Volumetric Analysis (Chemistry 8).....	4	
Medical Zoology (Zoology 15).....	2	
Vertebrate Anatomy (Zoology 6).....		4
Osteology (Zoology 7).....	2	
Modern Language (German or French).....	5	5
Psychology (Philosophy 3).....		3
History of Medicine		1
Military Drill	1	1
	<hr/> 17	<hr/> 17
THIRD YEAR		
General and Practical Anatomy (Anatomy 1, 2).....	5	5
General Physiology (Physiology 12).....		6
Embryology and Histology 1, 11, 12.....	4	3
Physical, Organic and Physiological Chemistry (Chem- istry 3, 25, 34)	7	4
	<hr/> 16	<hr/> 18

THE UNIVERSITY OF NEBRASKA

FOURTH YEAR	1st Semester Hours	2d Semester Hours
Regional Anatomy (Anatomy 3).....	3	
Neurology (Anatomy 8, Histology 15).....	2	2
Advanced Physiology (Physiology 13).....	4	
Pharmacodynamics (Pharmacology 2)		5
Bacteriology 1	4	
Pathology 2		6
Toxicology (Chemistry 41)	2	
Pharmacy (Pharmacology 1).....	1	
Materia Medica (Pharmacology 4).....		2
Physical Diagnosis (Physiology 14).....		1
	<hr/> 16	<hr/> 16

FIFTH AND SIXTH YEARS

The work of the last two years is identical with that of the Junior and Senior years of the Four-year course below:

ORDER OF SUBJECTS IN THE FOUR-YEAR MEDICAL COURSE

	FRESHMAN YEAR	
	1st Semester Hours	2d Semester Hours
General and Practical Anatomy (Anatomy 1, 2).....	5	5
Organic and Physiological Chemistry (Chemistry 3, 34) ..	5	4
General Physiology (Physiology 12).....		6
Embryology and Histology 1, 11, 12.....	4	3
Osteology*	1	
	<hr/> 15	<hr/> 18
SOPHOMORE YEAR		
Regional Anatomy (Anatomy 3).....	3	
Neurology (Anatomy 8, Histology 15).....	2	2
Advanced Physiology (Physiology 13).....	4	
Toxicology (Chemistry 41)	2	
Pharmacodynamics (Pharmacology 2)		5
Bacteriology 1	4	
Pathology 2		6
Pharmacy (Pharmacology 1).....	1	
Materia Medica (Pharmacology 4).....		2
Physical Diagnosis (Physiology 14).....		1
	<hr/> 16	<hr/> 16
JUNIOR YEAR		
Special Pathology	1	1
Therapeutics	2	2
Sanitation and State Medicine		1
Surgical Anatomy	1	
Physical Diagnosis	2	2
Medicine	4	4
Surgery	4	4
Obstetrics	2	2
Pediatrics	1	
Ophthalmology and Otology		1
	<hr/> 17	<hr/> 17

*For those who have not had the subject in the required college years.

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SENIOR YEAR	1st Semester	2d Semester
	Hours	Hours
Laryngology and Rhinology	1	1
Gynecology	2	2
Surgery Conference and Practice	3	3
Obstetrics	2	2
Mental and Nervous Diseases	1	1
Dermatology	1	1
Therapeutics	1	1
Jurisprudence		1
Life Insurance Examinations	1	
Ophthalmology and Otology	1	1
Medicine	3	3
Pediatrics	1	1
	<hr/> 17	<hr/> 17

NOTE.—Dispensary and sectional clinics in addition throughout the year.

HOURS DEVOTED TO EACH SUBJECT

(Seventeen weeks of actual class instruction in each semester except the last of the senior year, which has fifteen.)

COURSES	First Year		Sec'd Year		Third Year				Fourth Year			Entire Course				Total
	Lect. and Recit.	Laboratory	Lect. and Recit.	Laboratory	Lect. and Recit.	Laboratory	Clinics	Dispensary	Lect. and Recit.	Laboratory	Clinics	Lect. and Recit.	Laboratory	Clinics	Dispensary	
Anatomy:																
Gross Anatomy.....	136	272	51	136	34							221	408			1088
Histology.....	76	204	17	68								93	272			
Embryology.....	26	68										26	68			
Chemistry and Physiology:																
Organic Chemistry.....	85	119										85	119			731
Physiological Chemistry.....	68	119										68	119			
Physiology.....	68	136	51	85								119	221			
Pathology and Hygiene:																
Bacteriology.....			68	136								68	136			629
Pathology.....			85	204	34	68						119	272			
Hygiene.....					34							34				
Pharmacology:																
Pharmacy.....				51									51			508
Pharmacodynamics.....			85	102								85	102			
Materia Medica.....			34	34								34	34			
Therapeutics.....			51	51	68				32			151	51			
Medicine and Specialties:																
General Medicine.....					160	34	96		102		120	262	34	216		875
Pediatrics.....					17		34		32		64	49		98		
Nervous and Mental Diseases.....									32		96	32		96		
Jurisprudence, etc.....									20			20				
Dermatology.....									32		36	32		36		
Surgery and Specialties:																
General Surgery.....					204		170		87		120	291		290		871
Orthopedic Surgery.....									32			32				
Genito-Urinary Surgery.....									32		64	32		64		
Eye and Ear.....									17		61	17		64		
Nose and Throat.....									49		32	49		32		
Obstetrics and Gynecology:																
Obstetrics.....					102				61			166				294
Gynecology.....									64	32	32	64	32	32		
Dispensary and Drug-Room.....									170						170	170
	459	918	442	867	653	102	300	170	595	32	628	2149	1919	928	170	5166
Total for each year.....	1377		1309			1225			1255			5166				
	1st yr.		2d yr.			3d yr.			4th yr.			Entire Course				

In using these figures for comparison, the following facts should be kept in mind: (1) The length of the year. (2) The laboratory work is all prescribed, instead of the student being expected to put in additional work to complete an assignment, and if, as is frequently the case, a student who works rapidly has a margin in his favor he is assigned additional work or allowed to devote the time to study in the laboratory as the teacher may prefer. (3) The figures do not include certain work which is difficult to estimate exactly, such as autopsy work in pathology, assignment to cases in medicine, assignment to cases in obstetrics, and dispensary assignments in all clinical departments in the senior year. This would increase especially the time allowance for clinical subjects, the total hours in clinic, and the totals for the last two years.

DIDACTIC AND LABORATORY INSTRUCTION ***ANATOMY**

Professor Poynter, Adjunct Professor Walker, Dr. Hilton; in Omaha, Associate Professor Stokes

This department aims to present the subject of human anatomy in a thoroughly scientific manner. The laboratory work is done under constant surveillance. Drawings of regions on the subject as exposed by dissection are required wherever important relations exist. The student is required to take frequent individual quizzes upon the cadaver; to demonstrate all parts dissected to a demonstrator; to attend class quizzes two or three times a week; to pass occasional review quizzes and on the completion of all dissections to pass an individual oral examination on the entire subject. The lectures supplement the laboratory work, dealing with such facts from embryology, comparative vertebrate anatomy, etc., as will add breadth to the student's view of the field.

Courses in general zoology and comparative anatomy of vertebrate must precede the work of this department. In the first year of the course the ground covered is osteology, the descriptive anatomy of the entire body except the head and neck together with the topographical anatomy of the trunk. In the third semester the study of the head and neck is taken up in a very detailed manner. The anatomy of the nervous system is taken up in the third semester and is very closely correlated with the other work of this semester.

The laboratory occupies rooms for lectures and quizzes, for osteology, for dissection, locker-room, preparation room, and store rooms. The dissecting room is divided into small rooms, one for each table, each under a large skylight and each provided with electric lights for dark days. To assist the student in his work, charts, models, anatomical preparations and carefully selected works of reference are close at hand for ready consultation.

1. General and Practical Anatomy—Introductory principles; general descriptive anatomy. Laboratory work; osteology; dissection of human arm, leg and trunk exclusive of viscera. Three hours attendance. Eight

*For details in regard to courses in Language and Rhetoric, the reader is referred to the catalog of the College of Arts and Sciences.

hours laboratory with demonstrations. Five hours credit. First semester, freshman year. Poynter, Walker, and Demonstrators

2. **General and Practical Anatomy**—1 continued. Laboratory work; dissection of viscera and genito-urinal organs, together with topographical anatomy of the trunk; practical application of detailed relationships. Three hours attendance. Eight hours laboratory. Five hours credit. Second semester, freshman year. Poynter, Walker, and Demonstrators

3. **Advanced General Anatomy**—Lectures and demonstrations; topographical anatomy. Laboratory work, dissection of the head and neck. Two hours lecture. Four hours laboratory. Three hours credit. First semester, sophomore year. Poynter

5. **Surgical Anatomy**—Lectures, illustrated by charts, models and museum specimens; practical work on the cadaver. Designed to apply anatomy to surgery. Two hours lecture. First semester, junior year. Stokes

8. **Anatomy of the Nervous System**—Lectures illustrated by charts and models covering the points that will later have special significance in surgery. Laboratory work; detailed study of the human brain. One hour lecture. One hour quiz. Four hours laboratory. Two hours credit. First semester, sophomore year. Poynter

11. **Advanced Anatomy**—For those who have had Anatomy 1, 2 and 3, or a complete dissection of the body, and who desire to review the subject or to cover the anatomy of certain regions. Credit from two to five hours. Fee graduated. Elective. First semester. Poynter

12. **Advanced Anatomy**—Continuation of course 11. Second semester.

BACTERIOLOGY AND PATHOLOGY

Professor Waite, Adjunct Professor Putnam, Doctor Pillsbury

BACTERIOLOGY

This course aims to build a firm foundation for the subsequent practical work in bacteriology. The study of form, structure, multiplication, requirements of growth and the chemical productions is followed by applying the facts acquired to fermentation and putrefaction. In the latter half of the course pathogenic organisms are dealt with exclusively. The various ways in which bacteria gain entrance to the body, the changes which they bring about, and their final removal from the body are thoroughly explained. Attenuation and immunity are carefully discussed. Each of

the bacterial diseases is then considered from the point of view of etiology. In the laboratory the preparation of culture media is first taken up. This is followed by a study of their growth on the various media. By these means both non-pathogenic and pathogenic organisms are isolated and identified. A thorough grounding in disinfection and sterilization is required by practical application of the principles discussed in lecture. Animals are inoculated in the presence of the class, which is required to isolate the organisms from the tissues of the animal and grow them in pure culture. Special attention is given to the practical bearing of methods of bacteriological diagnosis.

1. **Bacteriology**—Four hours lecture and quizzes. Eight hours laboratory. Four hours credit. First semester, sophomore year.

Waite, Putnam

PATHOLOGY

The subject of general pathology is thoroughly reviewed. The origin of disease, disturbance of circulation, retrograde changes, inflammation and tumors are carefully studied. In conclusion the diseases of special organs are taken up according to their relative importance. In the laboratory the student is required to identify about one hundred and fifty specimens, and with the aid of the instructor work out departures from the normal. From the facts thus acquired a diagnosis is made. Descriptions of all sections and drawings of all typical specimens are required to familiarize the student with recording changes seen and to train him in accuracy of observation.

2. **Pathology**—Five hours lecture and quizzes. Ten hours laboratory. Six hours credit. Second semester, sophomore year.

Waite, Putnam

BOTANY

Head Professor Bessey, Assistant Professor Walker

Five laboratories—general, advanced, and physiological—on the main floor of Nebraska Hall, with the plant-house, provide working room for undergraduate students. Microscopes, paraffin ovens, culture apparatus, microtomes, and other apparatus are furnished as needed. The botanical store-room is stocked with chemicals, stains, glassware and other supplies and apparatus.

1. **General Botany**—Introduction to structure of plants (cells, tissues, tissue systems). General morphology and physiology of representative species. Three hours lecture. Six hours laboratory. Three hours credit. First semester.

Bessey, Walker

2. **General Botany**—The general morphology and physiology of representative species, including flowering plants. Continuation of course 1 and with it furnishing a basis for plant materia medica. Second semester.

Bessey, Walker

CHEMISTRY

Professor Dales, Assistant Professor Borrowman, Adjunct Professor Fossler, Mr. Frankforter, Mr. Wilson, Miss ———

A general survey of chemistry, inorganic and organic, including the nature of chemical processes and the use of apparatus.

Instruction by the lecture-laboratory method.

Advanced students having the necessary experience and knowledge do research work under guidance.

D. **The Non-Metallic Elements**—This course is designed to give a general view of chemistry, including the general principles, and taken by students entering without a high-school course. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metallic elements are given special consideration. Three hours lecture. One hour quiz. Seven hours laboratory. Four hours credit. First semester.

Dales, Wilson, ———

1. **Qualitative Analysis**—Elementary course required of technical and scientific students. Prerequisite: A and B, D, or 2 entrance points. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

Borrowman, Wilson, ———

2. **Qualitative Analysis**—1 continued. Introduction to quantitative analysis included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

Borrowman, Wilson, ———

1 and 2 (combined course). **Qualitative Analysis**. Prerequisite: Same as course 1. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester.

Dales, Wilson, ———

8. **Volumetric Analysis**—A study of standard volumetric methods. One hour attendance. Ten hours laboratory. Four hours credit. First or second semester.

Frankforter

3. **Elementary Organic Chemistry**—The important classes of organic substances. Preparation in laboratory of typical compounds. Prerequisite: Courses 1 and 2. Five hours attendance. Eight hours laboratory. Five hours credit. First semester, freshman year.

Fossler

25. Physical Chemistry—Elementary course; the general principles of physical chemistry with applications to chemistry and to other sciences. Required in six-year course; elective in four-year course. May be taken with course 3. Two hours credit. First semester. Dales

34. Physiological Chemistry—The organic compounds and chemical processes of physiological importance. Prerequisite: Courses 1, 2 and 3. Three hours lecture. One hour quiz. Seven hours laboratory. Four hours credit. Second semester, freshman year. Fossler

HISTOLOGY AND EMBRYOLOGY

Professor Willard, Mr. Becker

1. Vertebrate Embryology—A brief survey of vertebrate development with special reference to morphogenesis and histogenesis of organs. The course is arranged to correlate as closely as possible with those in histology and gross anatomy. The chick and pig are used chiefly for laboratory study, with illustrative material from other groups. The dissection of the foetal membranes and their relation to the uterus form a part of the laboratory study. Two hours lecture. One hour quiz and eight hours laboratory work for eight weeks. Three or four hours credit. First half of first semester, freshman year. Willard, Becker

1a. Microscopical Technique—This may be elected for one hour credit in connection with other laboratory courses in the department. It includes some systematic instruction and practice in the special methods of preparing material for microscopical examination. The more rapid practical methods of handling tissues will be emphasized for those who desire a technique which may be used with little laboratory equipment. Not less than four hours of laboratory work with personal instruction. One hour credit. Either semester. Willard

11. General Vertebrate Histology—The finer structure of the vertebrate tissues with special reference to mammals and man. Tissue differentiation is logically presented by way of histogenesis and the functional significance of the structural changes emphasized. Two hours quiz. Eight hours laboratory for eight weeks. Two hours credit. Second half, first semester, freshman year. Willard, Becker

12. Histology of Organs—The microscopical study of mammalian organs with reference to their tissue constituents and their ultimate relation to blood and lymph supply. The effort is made to bridge the gap be-

tween microscopical and gross anatomy by the handling and dissection of fresh mammalian organs in connection with section study. Human material is used where its preservation can be controlled and normal structure insured. Instruction and practice in histological technique is provided for in supplementary courses which may be taken at same time. Two hours quiz. Four hours laboratory work. Three hours credit. Second semester, freshman year.

Willard, Becker

13. Advanced Histology and Embryology—This is a course designed to give opportunity for a more comprehensive study of certain organs that cannot adequately be considered in the required courses. This applies particularly to the nervous and sense organs. Arranged for laboratory and quiz work. Equivalent to two or three hours credit. Elective. Prerequisite: Courses 1 and 2.

Willard

15. Neurology—The microscopical anatomy of the human brain, based upon a study of sections prepared to show principally fiber tracts and end nuclei. Two hours quiz. Four hours laboratory. Two hours credit. Second semester, sophomore year.

Willard

HISTORY OF MEDICINE

Assistant Professor Orr

1. History of Medicine and Medical Literature—Lecture and study course dealing with men who have contributed to medical knowledge from the earliest times to the present. Development of medicine in its different branches as an abstract department of knowledge. Reading and note-taking. Special study of library methods and medical literature, medical cataloging and bibliography. Two hours lecture. One hour credit. Second semester.

Orr

HYGIENE, SANITATION AND STATE MEDICINE

Professor Towne

1. Sanitation and State Medicine—Relation of medical profession to public health. Theoretical consideration. Results of practical experience. Quarantine regulations of Nebraska. Air, water, climate, soil, heating, ventilation. Municipal and private water supply. Milk, sewerage, disposal of waste. Public and private management of transmissible diseases. Epidemics, contagion, and disinfection. Two hours lecture. Second semester, junior year.

Towne

CLINICAL PATHOLOGY

Doctor Bliss, Doctor Manning

The course in general and special pathologic anatomy and histology is specially designed to apply to the principles of general pathology, to organic and systematic abnormal alterations, and to bring out the close relations of these alterations to clinical symptoms.

Instruction by the lecture-laboratory method, each exercise being a didactic quiz.

Each student is required to write a résumé on some assigned subject and to present it before the class.

All students registered for Courses 1 and 2 are required to attend and assist at autopsies. Two students are assigned to each autopsy and are required to render a complete report of both gross and microscopic findings.

The work in Clinical Pathology covers examinations of blood, feces, urine, gastric contents, sputum, and other secretions and excretions from the chemical and microscopical standpoints. Especial attention is paid to the study of normal and pathologic blood, in fresh and stained conditions.

1. **Pathologic Anatomy**—Lectures, demonstrations and quizzes in special pathology, post mortem technique and gross pathology. Two hours. First semester, junior year. Bliss, Manning

2. **Pathologic Anatomy**—1 continued. Second semester.

3. **Pathologic Anatomy**—Conferences on current problems of general and special pathology for half the class. One hour. First semester, junior year. Bliss

4. **Clinical Diagnosis**—First semester, junior year, two hours lecture and demonstrations. Some work outside of regular hours is also required. Bliss

5. **Clinical Diagnosis**—Members of the senior class examine specimens, obtained from clinical cases, in the laboratory under the supervision of the professor in charge and report to the professor holding the clinic. First semester, senior year. Manning

6. **Clinical Diagnosis**—5 continued. Second semester.

PHARMACOLOGY

Professor Lyman, Adjunct Professor Stevens, Adjunct Professor Perusse, Doctor Rowe, Miss Day

1. **Pharmacy**—A laboratory course intended to familiarize the student with the fundamental processes in pharmacy, including the manufacturing, compounding, and dispensing of official preparations. Three hours quiz and laboratory. One hour credit. First semester, sophomore year.

Perusse, Day

2. **Pharmacodynamics**—An experimental study of the physiological action of the drugs of therapeutic value. Two hours quiz. Six hours laboratory. Five hours credit. Second semester.

Lyman, Day

4. **Materia Medica**—A didactic and laboratory study of the origin, natural history, preparations, and methods of using individual drugs. The elements of prescription-writing and the use of the United States Pharmacopœia and the National Formulary are taught. Two hours attendance. Two hours laboratory. Two hours credit. Second semester.

Stevens, Rowe

PHYSICS

Head Professor Skinner, Professor Moore, Mr. McComb, Mr. Spencer

The department of physics occupies a building erected especially for the department, conveniently arranged, with all needed facilities, and well supplied with apparatus.

These courses are designed for those desiring a knowledge of the principle of physics and of its relation to other sciences and to natural phenomena. It is open to students who have completed the Medical College entrance requirements in physics.

11. **Arts Course in General and Experimental Physics**—Mechanics, sound, and heat. For the nature of this course and conditions for admission, see above. Three hours lecture with illustrative experiments. Four hours laboratory. Three hours credit. First semester.

Skinner, McComb, Spencer

12. **Arts Course in General and Experimental Physics**—Electricity and light. Course 11 continued. Four hours laboratory. Three hours credit. Second semester.

Skinner, Moore, Spencer

PHYSIOLOGY

Professor Guenther, Doctor Welch, and Assistants

A consideration of facts and theories of vital phenomena, presented with special reference to their application in medicine.

12. Advanced Physiology—Combined lecture, demonstrations, and laboratory course. Four hours quiz. Eight hours laboratory. Six hours credit. Second semester, freshman year. Guenther

13. Advanced Physiology—12 continued. Three hours quiz. Three hours laboratory. Four hours credit. First semester, sophomore year. Guenther

14. Physical Diagnosis—General principles of inspection, palpation, percussion and auscultation. Other physical methods used in the examination of abnormal conditions—determination of blood pressures, registration of arterial and jugular pulse, blood counts, the reactions of degeneration to electrical currents, etc. Physical signs in health and in disease with their clinical demonstration, learned by direct personal examination. One hour lecture and two hours recitation and laboratory. One hour credit. Second semester, sophomore year. Welch

PSYCHOLOGY

Head Professor Wolfe

3. Elementary Psychology—A brief course in general psychology for students wishing a general knowledge of this field. Not open to first year students. Three hours attendance. Two hours laboratory. Three hours credit. Second semester. Wolfe

THERAPEUTICS

Adjunct Professor Goetz, Doctor Jefferson

1. Therapeutics—Discussion of all drugs which under the test of modern investigation have been found useful in the treatment of disease. Application of the scientific data obtained through pharmacodynamics. Questions of treatment considered as matters of direct argument from physiology and pathology rather than as mere memory work. Mechanical, physical and hygienic treatment discussed. Immunity and serum therapy. Personal quizzing; prescription writing. Two hours lecture or quiz. First semester, junior year. Jefferson

2. Therapeutics—1 continued. Second semester, junior year.

3. **Clinical Therapeutics**—Practical course. Necessity of definite plans of treatment based upon logical reasoning shown in the more prominent diseases. Embraces the direct application of all forms of therapeutic aid. Lectures, quizzes and clinics. In clinics special attention paid to analyzing cases for therapeutic indications. One hour a week at college, one hour a week at hospital. First semester, senior year. Goetz

4. **Clinical Therapeutics**—3 continued. Second semester, senior year.

5. **Seminar in Therapeutics**—Arranged at opening of school year. Each student makes an investigation and reports upon some of the modern specialized forms of therapeutics, such as the Nauheim treatment, the Carlsbad treatment, the Finsen treatment. Careful investigation of the topic with discussion by the class and criticism by the instructor. Senior year. By appointment. Goetz

ZOOLOGY

Head Professor Wolcott, Professor Powers, Associate Professor Barker, Mr. Mitchell, and Assistants; Professor Willard

The laboratory has Zeiss and Leitz microscopes, Reinhold-Giltay, Minot and Thoma microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus. The department library adjacent and freely accessible contains 2,000 works on animal morphology and physiology. A series of specimens from the Naples Zoological Station, one of injected tissues by Thiersch, and embryological models by Ziegler, Dahlgren, and others, is included in the illustrative material.

3. **General Zoology**—For beginners and those wishing a general insight into methods and principles of the science. The lectures cover the general principles of morphology, physiology, development, distribution, classification and evolution of animals; laboratory work, an intensive study of types drawn from the Protozoa and simpler invertebrates, together with subsidiary cytological and embryological material. Three hours attendance. Four hours laboratory. Three hours credit. By proportionate increase in laboratory and in assigned reading, five hours credit. First semester. Powers, Barker, Mitchell

4. **General Zoology**—1 continued. Second semester.

A. **General Zoology**—For beginners and those who desire to complete a year's work in general zoology in one semester. This course covers the same field as courses 1 and 2. Five hours attendance. Eight hours laboratory. Five hours credit. Second semester. Wolcott, Mitchell

6. **Comparative Vertebrate Anatomy**—A course providing a broad comparative basis for any subsequent work in embryology, microscopical or gross anatomy. In a knowledge of their evolution the student has an explanation for the distinctive structure of the organs of the human body. The adaptation of structure to function, the significance of rudimentary organs and the parallel between evolution and individual development are fully demonstrated in laboratory study. A cartilaginous fish, an amphibian and a mammal, together with prepared dissections from other forms, represent the material used. Anatomical technique is demonstrated to a certain extent in the methods of preservation, injection of blood vessels and the mounting of permanent dissections. A general course in zoology is a prerequisite. Three hours attendance. Eight hours laboratory. Four hours credit. Second semester. Willard

7. **Comparative Osteology of the Vertebrates**—A study in morphology, with the skeleton as a basis. The lectures are general and comparative; the laboratory work involves a detailed study of the human skeleton. Two hours attendance. Four hours laboratory. Two hours credit. Should be preceded by courses 3 and 4 or A. Wolcott

15. **Medical Zoology**—Lectures on morphology, taxonomy and economic relations of the groups Protozoa, Platyhelminthes, Nematelminthes and Arthropoda and their role in the production and transmission of disease. The laboratory work comprises gross dissection and microscopical study and serves as an introduction to microscopical technique. Intended especially for the medical student. Three hours attendance. Four hours laboratory. Two hours credit. First semester. Prerequisites: Courses 1 and 2. Barker

17. **Animal Parasites**—Taxonomy, morphology, biology and economic relationships of animal parasites. Lectures, laboratory and field work. The handling of a simple assigned problem. Two hours attendance. Four to twelve hours laboratory. May be elected as a two- to five-hour course. First semester. Open to students who have had Zoology 3, 4, and 5, or their equivalent. Offered to medical students as an elective. Barker

18. **Animal Parasites**—Course 17 continued; but may be elected independently. Second semester. Barker

CLINICAL INSTRUCTION

INTERNAL MEDICINE

Professor Bridges, Professor Milroy, Adjunct Professor Bliss, Doctor Manning, Doctor Peterson, Doctor Hamilton. By invitation, Col. J. M. Banister, M. D., U. S. A.

1. **Physical Diagnosis**—General principles. Demonstration of topography of head, chest, and abdomen. Physical signs in health learned by direct personal examination. Lectures treat of normal conditions. Two hours lecture and recitation. First semester, junior year. Bliss

2. **Physical Diagnosis**—1 continued. Physical signs in disease, and their clinical demonstration on cases taken from dispensary and hospital wards. Second semester, junior year. Three hours. Bliss

3. **Internal Medicine**—General diseases, including infections and disease of stomach and intestines, lungs and kidneys. All diseases pertaining to internal medicine; regular recitations held thereon afford theoretical knowledge of the etiology, pathology, symptomatology, diagnosis, and treatment of disease. In clinic in College building the cases are selected from outdoor dispensary, and usually represent seasonable diseases of the ambulatory type. First semester, junior year. (a) One hour lecture. Hamilton. (b) Four hours recitation. Peterson, Manning. (c) One hour clinic. Hamilton. Two hours clinic, Douglas County Hospital or Wise Hospital. Milroy, Bliss, Hamilton.

4. **Internal Medicine**—3 continued. Second semester.

5. **Internal Medicine**—Includes subjects not studied in junior year. Elucidation of cases seen in hospital clinics, and of cases in private practice, illustrative of the subjects under consideration. Two hours weekly in conference. Members of senior class in rotation are assigned cases for examination and study in the dispensary clinic or at one of the affiliated hospitals, and present a written report thereon before the class and professor. A full discussion of the case follows; etiology, pathology, symptoms, diagnosis, prognosis, and treatment are discussed. Two hours weekly at the Douglas County Hospital; two hours weekly at the Methodist Hospital. Careful direction here given to elaboration of clinical histories and to physical examination of chest and abdomen. Sputum, urine, and blood of patients examined by sections of the class in the College laboratory under

direction of professor of pathology and reports made thereon. First semester, senior year. (a) One hour lecture. Bliss. Two hours conference. Bridges and Milroy. (b) One hour clinic in the College. Bliss. (c) Five hours hospital clinics. Milroy, Bridges.

6. Internal Medicine—5 continued. Second semester.

9. Tropical Medicine—Lectures on the distribution, etiology, diagnosis, and treatment of such tropical diseases as are of practical importance to American physicians in view of our increasing commercial intercourse with tropical countries by reason of our possessions in the West Indies, Panama Canal Zone, and in the Islands of the Pacific. The endemiology and epidemiology of such diseases with the general and special sanitary measures adapted to the prevention, control, and suppression of the same. One hour lecture each week. Second semester, senior year. Banister

11. Life Insurance Examinations—The nature and growth of life insurance; elementary principles of life insurance; duties and responsibilities of examiners; influence of different diseases, heredity, occupation and habits on expectancy of life; proper technique in examining applicants for life insurance. First semester, senior year. Cloyd

SURGERY

Professor Jonas, Professor Davis, Associate Professor Stokes, Doctor Hunt, Doctor Hull, Doctor Morison, Doctor Hollister, Doctor Kennedy

1. Principles of Surgery—Principles of surgery; full description of the classification of tumors, their pathology, differentiation, relation to general diseases, manifestations, operative and non-operative methods of treatment. Subjects assigned for recitation covering lectures on principles of surgery, surgical pathology and tumors, the practice of surgery, surgical diseases, fractures and dislocations. At the College Dispensary cases are presented for diagnosis, operation and treatment. At this clinic a considerable number of minor surgical cases receive attention, minor operations often being performed. Clinics at Douglas County and Immanuel hospitals; operations for all manner of surgical diseases. Practical use of anesthetics, both local and general, considered at these clinics. First semester, junior year. (a) Two hours lecture. Davis. (b) Four hours recitation. Hull, Hollister and Kennedy. (c) Two hours dispensary clinic. One hour hospital clinic. Jonas and Davis, Hull, Morison and Hollister.

2. Principles of Surgery—1 continued. Second semester.

3. **Bandaging**—Uses and application of bandaging, plaster of Paris (including its preparation) and other surgical dressings. Practical work under the direction of the instructor. One hour weekly. Second semester, junior year. Hollister

4. **Experimental Surgery**—Intended to familiarize student with principles of surgical technique and asepsis by actual operations performed on animals, and done with the same care as on the human body. Optional for juniors, second semester. Three hours clinic. Stokes

5. **Practice of Surgery**—Covers part of ground gone over in recitations of junior year. References to observations in hospital clinics frequently recalled and elaborated to fix essential points in diagnosis and treatment. Subjects of hospital clinics brought up for conference in the class-room, when cases are more thoroughly discussed than the time allotted in operative work permits. Members of the class in rotation assigned cases of examination, or illustrative cases cited upon which they are required to make reports on diagnosis, pathology, and treatment. Reports critically discussed in conference. Two hours general clinic at the College Dispensary, principally on minor surgery, including examination, diagnosis, treatment and minor operations. Two hours at Nebraska Methodist Hospital in general and major surgery, at which cases illustrative of the lecture course in practical surgery are thoroughly demonstrated and at which there are regular operations on all regions of the body. Two hours at Immanuel, Wise Memorial, or Douglas County hospitals also furnish opportunity for similar instruction. Members of the class required to assist at operations and administer anesthetics under direction as occasions arise. First semester, senior year. (a) One hour lecture. One hour conference. Jonas. (b) Six hours clinics. Jonas and Davis.

6. **Practice of Surgery**—5 continued. Second semester.

8. **Demonstrations**—Each member of the class individually instructed in performing surgical operations on the cadaver. He is required to master the details and steps of the more common operations necessary in practice, and is called on at times to perform ligations, amputations, excisions, celiotomies for various abdominal diseases, paracentesis, pleurotomy, rib resection and trephining. Second semester, senior year. Jonas, Morison

9. **Section Clinics**—Special clinics by appointment in all of the hospitals mentioned above. These clinics afford work in all branches of general and special surgery. First semester, senior year.

Jonas, Davis, Stokes

10. **Section Clinics**—9 continued. Second semester.

12. **Oral Surgery**—Short course of lectures on the surgery of the mouth in its relation to diseases of the teeth and alveolar processes; care of teeth and influence of neglect of mouth in production of general and stomach disorders. Second semester, senior year. Hunt

13. **Laboratory Course in Surgical Pathology**—Gross and microscopic specimens demonstrated from a diagnostic point of view.

Hollister, Kennedy

ORTHOPEDIC SURGERY

1. **Orthopedic Surgery**—Various deformities; diagnosis, pathology and treatment. Joint diseases; their mechanical and other treatment. Practical study of the subjects of the lectures at surgical clinics in Omaha and Douglas County hospitals. Operative procedures and the study of progress in the cases treated. One hour lecture. First semester, senior year.

Jonas, Hull

2. **Orthopedic Surgery**—1 continued. Second semester.

GENITO-URINARY SURGERY

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds, and local treatment of the mucous membrane of the urethra and bladder are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases, including syphilis in all stages. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

1. **Genito-Urinary Surgery**—One hour lecture. One hour clinic. First semester, senior year. Stokes

2. **Genito-Urinary Surgery**—1 continued. Second semester.

3. **Laboratory Demonstrations**—Practical demonstrations in laboratory on pathology of genito-urinary diseases. Stokes or Assistant

OBSTETRICS

Professor Somers, Adjunct Professor Pollard, Doctor Taylor

In October, 1911, after consultation with the various charitable organizations of Omaha, it was decided wise to establish a free Lying-In Dis-

pensary in connection with the College of Medicine. The hospitals of the city assisted by giving free beds to those entitled to charity. The results have surpassed the most sanguine expectations. The material is sufficient to satisfy all present demands with the certainty of great increase as the years go by.

Each student is shown one or more cases during the last semester of the junior year, special opportunities being offered to students remaining in the city during the summer months. An obstetric clinic by appointment on Saturday afternoons and on other days out of lecture hours is in successful operation in connection with this department, at which students are taught antepartum diagnosis, physiological and pathological pregnancy, and shown cases of interest that may be under observation at the time. All material for six months of the year at the County Hospital is utilized for this purpose. Written reports of all clinical work are required and every student must have reported twelve cases of confinement before coming up for graduation.

1. **Anatomy and Physiology of the Female Pelvic Organs**—Development of the ovum; hygiene and management of pregnancy, its signs, diagnosis and pathology. Subject of lectures assigned for study and recitation. Three hours recitation. First semester, junior year. Pollard

2. **The Theory and Practice of Obstetrics as Applied to Normal and Abnormal Labor**—Lectures illustrated by charts, diagrams and models. Three hours lecture. Second semester, junior year. Pollard

3. **Obstetrics**—Mechanism of labor, difficult labor, pathology of puerperal state, and the new-born child. Exercises on manikin in diagnosing position and presentation, including a review of mechanism of normal and abnormal labor. Two hours lecture. First semester, senior year. Somers

4. **Obstetric Surgery**—History and description of all obstetric operations, with a demonstration of all necessary instruments and their uses. Two hours lecture weekly. Second semester, senior year. Somers

5. **Attendance on Obstetrical Cases**—The Lying-in Dispensary and the various hospitals, including the Douglas County Hospital, afford abundant opportunity for the assignment of obstetric cases to members of the senior class under direction. During such attendance the student is excused from other college exercises. Under direction and in presence of the professor or one of his assistants, he makes examinations, both by abdominal and vaginal palpation, suggests diagnosis, studies the progress of labor and in

case operative procedure is necessary, witnesses and assists at operations. Practical use of anesthetics in labor. Second semester, junior year, and first semester, senior year. Somers, Taylor

7. **Pathology**—Normal and morbid anatomy of placenta and pregnant and puerperal uterus. Practical demonstrations in the laboratory. First semester, junior year.

8. **Pathology**—7 continued. Second semester.

GYNECOLOGY

Professor Findley, Doctor Hollister, Doctor Fairchild, Doctor Lieber, Doctor Van Fleet

The instruction in diseases of women consists largely of practical demonstrations. The lectures are illustrated by stereopticon views of pathological lesions and operative procedures. The dispensary clinic, held daily in the College building, is regarded as a most important part of the clinical teaching. It is in these clinics that the student is trained in clinical diagnosis and where he may best be instructed in principles of treatment. One college clinic each week is held in the Clarkson Memorial or Douglas County hospitals throughout both semesters where cases are presented for diagnosis and treatment.

Opportunity is afforded for making bimanual examinations under anesthesia in the clinics.

1. **Gynecology**—Subject covered by didactic lectures and oral quiz one day each week. Supplemented by epidiascope illustrations, demonstrations of instruments, casts and pathological specimens. A special feature of the clinic is the opportunity given each student to make examinations under anesthesia. One hour each day devoted to clinics in the dispensary, where small groups of students are permitted to examine patients, to write histories, and to apply local treatments. First semester, senior year. (a) Lectures. Demonstrations. Findley. (b) Hospital clinic. Findley. (c) Dispensary clinics. Hollister, Fairchild, Lieber, Van Fleet.

2. **Gynecology**—1 continued. Second semester.

OPHTHALMOLOGY AND OTOTOLOGY

Professor Gifford, Doctor Lemere, Doctor Patton, Doctor Potts, Doctor Callfas

1. **Ophthalmology and Otology**—External and internal diseases of the eye and ear and their differential diagnosis. The clinics furnish abundant

cases illustrative of the lectures on eye and ear. First semester, senior year. (a) Lecture. One hour weekly. (b) Hospital clinics. One hour weekly. Gifford

2. **Ophthalmology and Otology**—1 continued. Second semester.

3. **Otology**—Anatomy and physiology of the ear. Use of otoscope; practical study of normal drum membranes; application and theory of acoustic tests. Ten lectures. First semester, senior year. Lemere

4. **Ophthalmology**—Anatomy and physiology of the eye. Use of the ophthalmoscope; practical study of normal fungus; theory of refraction and retinoscopy. Ten lectures. First semester, senior year. Patton

5. **Refraction and Retinoscopy**—Practical work at trial cases in dark room. To meet state board requirements. Second semester, senior year. Patton

6. **Dispensary Clinic**—In college dark room. Two hours weekly. Senior year. Potts, Callfas

LARYNGOLOGY AND RHINOLOGY

Professor Owen, Doctor Wherry, Doctor Rubendall

1. **Laryngology and Rhinology**—Diseases of the nose, throat and larynx; their dependence upon and relation to various constitutional infections and dyscrasias. One hour lecture. First semester, senior year. Owen

2. **Laryngology and Rhinology**—1 continued. Second semester, senior year.

3. **Principles and Use of the Laryngoscope and Rhinoscope**—Anatomy and physiology of the upper respiratory tract. A study of normal appearances of nose, throat and larynx. Dark room with artificial light provided in the College Dispensary. One hour weekly. First semester, senior year. Wherry

4. **Clinic**—The dispensary clinic furnishes material for study of diseases of the nose, throat and larynx. Having familiarized themselves with the normal appearance and the use of the instruments during the first semester students are prepared for practical instruction in pathology, diagnosis, and treatment of diseased organs. Section clinics and operations in the Wise Memorial and Immanuel hospitals. One hour weekly. Second semester, senior year. Owen, Rubendall

DERMATOLOGY AND GENITO-URINARY DISEASES

Professor Schalek

The course includes conferences throughout the year in which cases are demonstrated and discussed. Weekly recitations serve to prepare a thorough foundation for the subject. At the College Dispensary students become familiar with the more common cutaneous diseases. The latest advances in syphilology are presented. The students are made acquainted with the radio-therapy, the carbonic acid snow treatment, and other therapeutic measures. During the second semester a regular weekly clinic is given at the County Hospital which affords abundant dermatological material. From time to time the students are taken to other hospitals to see patients at the bedside. A fine collection of plates and photographs illustrating various diseases of the skin are available for demonstrations.

1. **Dermatology**—Demonstrations at the Methodist, Immanuel, and Clarkson hospitals. First and second semesters, senior year. Schalek

2. **Dermatology and Genito-Urinary Diseases**—Clinic at the County Hospital one hour weekly. Demonstration of cases and treatment, with lectures. Second semester, senior year. Schalek

3. **Dermatology**—Quizzes with demonstrations of plates and patients. One hour weekly. First and second semesters, senior year. Schalek

PEDIATRICS

Professor McClanahan, Doctor Christie

1. **Pediatrics**—Gastro-intestinal diseases, contagious diseases, diseases of nutrition, and important part played by errors of diet in their production. Milk modification in all its methods, including the working out of percentages. The history and technique of intubation. Clinics at College Dispensary where many cases of ordinary affections of infancy and childhood appear furnish practical applications. One hour lecture. One hour clinic. First semester, senior year. McClanahan, Christie

2. **Pediatrics**—1 continued. Second semester.

3. **Care of Children**—Instruction in the care, hygiene and feeding of infants, cranial measurements, and physical development. One hour lecture and quiz. First semester, junior year. Christie

5. **Section Clinics in Pediatrics**—Clinics at the Child-Saving Institute and Methodist Hospital where it is frequently possible to demonstrate

practically the contagions, measles, scarlet fever, and whooping cough, as they occur in epidemic form. Second semester, senior year.

McClanahan, Christie

6. Section Clinics in Pediatrics—5 continued. Second semester.

NERVOUS AND MENTAL DISEASES

Professor Aikin, Doctor Mogridge, Doctor Young.

1. Lectures on Diseases of the Nervous System—Lectures on the causes of nervous diseases, and the general symptoms. Diagnosis and methods of examination. Diseases of the peripheral nerves. Motor neuroses of spinal nerves. Sensory neuroses of cerebro-spinal nerves. Diseases of the spinal cord. Degenerative diseases. Muscular atrophies. Diseases of the brain. Function neuroses. Insomnia and neurological therapeutics. One hour lecture. First semester, senior year. Aikin, Young

2. Lectures on Diseases of the Mind—Definitions, classification, general etiology, general pathology. General psychology. General symptoms and symptom groups. Examination and diagnosis. Functional psychoses, organic psychoses.

All lectures will be illustrated by clinical cases at the Methodist, Immanuel, and Douglas County hospitals. At the Douglas County Hospital students are assigned cases for examination, diagnosis and treatment and are required to report their cases before the entire class. One hour lecture. Second semester, senior year. Aikin, Young

3. Lectures on Arrested Development—This course considers the cause, manifestations and diagnosis of arrested development. Six lectures, one hour each, and one day spent at the Glenwood, Iowa, Institute for the Feeble Minded. Second semester, senior year. Mogridge

MEDICAL JURISPRUDENCE

Mr. Page

1. Medical Jurisprudence—Physicians' contracts, general medico-legal relations. Expert testimony. Malpractice. Life insurance examinations. Injuries and deaths. Poison, identity, and survivorship. Sexual relations. Quarantine sanitation. Medical legislation. Twelve lectures. Second semester, senior year. Page

FRESHMAN YEAR

First Semester

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00	Poynter General Anatomy	Fossler Organic Chemistry Lecture (at 10:00) and Laboratory	Poynter General Anatomy		Poynter General Anatomy
9:00	Willard Embryology I (First half semester) Histology II (Second half semester)		Willard Embryology I (First half semester) Histology II (Second half semester)		Willard Embryology I (First half semester) Histology II (Second half semester)
10:00	Fossler Organic Chemistry		Fossler Organic Chemistry	Fossler Organic Chemistry	Fossler Organic Chemistry
11:00 (T. Th. 11:30)				Poynter Anatomy Quiz	
1:00 to 5:00	Organic Chemistry Laboratory	Embryology and Histology Laboratory	Embryology and Histology Laboratory	Anatomy Laboratory	Anatomy Laboratory

Second Semester

8:00	Poynter General Anatomy	Cutter Physiological Chemistry Laboratory and Quiz	Poynter General Anatomy	Anatomy Laboratory	Poynter General Anatomy
9:00	Willard Histology and Organology Quiz		Guenther Physiology Lecture		Willard Histology and Organology Quiz
10:00	Guenther Physiology Lecture		Guenther Physiology Lecture or Quiz		Guenther Physiology Lecture
11:00 (T. Th. 11:30)	Cutter Physiological Chemistry Lecture		Cutter Physiological Chemistry Lecture		Cutter Physiological Chemistry Lecture
1:00 to 5:00	Physiological Chemistry Laboratory	Histology and Organology Laboratory	Physiology Laboratory	Anatomy Laboratory	Physiology Laboratory

SOPHOMORE YEAR
First Semester

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00	Cutter Toxicology	Pharmacy Laboratory	Cutter Toxicology	Guenther Physiology Laboratory	Waite Bacteriology
9:00	Poynter Regional Anatomy		Poynter Regional Anatomy		
10:00	Waite Bacteriology		Waite Bacteriology		
11:00 (T. Th. 11:30)	Poynter Anatomy Nervous System		Guenther Physiology		Guenther Physiology
1:00 to 5:00	Bacteriology Laboratory Anatomy Laboratory	ory—First half semester —Second half semester			Toxicology Quiz and Laboratory

Second Semester

8:00	Stevens Materia Medica Lecture and Laboratory	Pharmacodynamics Laboratory	Willard Neurology Laboratory	Stevens Materia Medica Lecture and Laboratory	Physical Diagnosis Laboratory
9:00					
10:00	Waite Pathology Lecture	Waite Pathology Quiz	Waite Pathology Lecture	Waite Pathology Quiz	Waite Pathology Lecture
11:00 (T. Th. 11:30)	Lyman Pharmacodynamics Quiz	Lyman Pharmacodynamics Quiz	Lyman Pharmacodynamics Quiz	Lyman Pharmacodynamics Quiz	Lyman Pharmacodynamics Quiz
1:00 to 5:00	Pathology Laboratory	Pharmacodynamics Laboratory	Pathology Laboratory	Willard Neurology	Pathology Laboratory 3:00-5:00

JUNIOR YEAR
Clinics in Italics

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THE UNIVERSITY OF NEBRASKA

HOOR	MONDAY	TUESDAY	WEDNESDAY ^a	THURSDAY	FRIDAY	SATURDAY
8	Goetz <i>Medicine Clinic</i> <i>Wise Hospital</i>	Stokes (a) Surgical Anatomy 9-10	Bliss Pathology Conference		Bliss, Manning Pathology	<i>Immanuel</i> <i>Hospital</i> Davis <i>Surgery Clinic</i> 9-12
9		Hollister (b) <i>Minor Surgery</i> <i>Clinic</i> <i>County Hospital</i> 8-10	Manning Medicine Recitation	Jefferson Therapeutics		
10	Christie (a) Pediatrics	Bliss Physical Diagnosis (a)	Jefferson Therapeutics	Manning Medicine Recitation	Hollister Surgery Recitation	
11	Pollard Obstetrics	Medicine Clinic (b) <i>County Hospital</i>	Pollard Obstetrics	Hollister Surgery Recitation	Pollard Obstetrics	
1	Stokes <i>Dispensary</i> <i>Surgery</i>	McClanahan Dispensary Pediatrics	<i>Dispensary and</i> <i>Drug-Room Work</i>	<i>Dispensary and</i> <i>Drug-Room Work</i>	Hamilton <i>Dispensary</i> <i>Medicine</i>	
2	Stokes (a) Surgical Anatomy Towne (b) Sanitation— State Medicine	Davis Principles of Surgery	Hamilton Medicine Recitation	Davis Principles of Surgery	Peterson Medicine Recitation	
3	Hull Surgery Recitation	Towne (b) Sanitation— State Medicine	Hull Surgery Recitation			
4						

(a) First Semester.

(b) Second Semester.

SENIOR YEAR

Clinics in Italics

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8		Patton (a) Lemere Ophthalmology and Otology	Jonas <i>Surgical Clinic</i> <i>Methodist</i> <i>Hospital</i>	Stokes <i>Surgical</i> <i>Diagnosis</i> <i>Wise Hospital</i>		Milroy <i>County Hospital</i> <i>Conference and</i> <i>Medicine Clinic</i>
9	Owen Laryngology and Rhinology	Wherry (a) Laryngology and Rhinology Morison (b) Surgery—8-10		Goetz <i>Therapeutic</i> <i>Clinic</i> <i>Wise Hospital</i>	Schalek <i>Dermatology</i> <i>County Hospital</i> <i>After Jan. 1st</i>	Aikin (b) <i>Nervous Diseases</i> <i>Clinic</i> 8:30-12
10	Findley Gynecology	Kennedy Surgery	Bridges <i>Conference and</i> <i>Medical Clinic</i> <i>Methodist</i> <i>Hospital</i>	Findley <i>Gynecology</i> <i>Clarkson or</i> <i>County Hospital</i>	Stokes G.-U. and Rectal Surg. College (a) <i>County Hospital</i> <i>After Jan. 1st</i>	
11	Jonas Surgical Conference	Hollister (a) Fractures and Dislocations Page (b) Med. Jurisprudence				
1	Stokes <i>Dispensary</i> <i>Surgery</i>	McClanahan Moore <i>Dispensary</i> <i>Pediatrics</i>	Aikin <i>Nervous and</i> <i>Mental Diseases</i> <i>Methodist</i> <i>Hospital 12-1</i>	Dispensary <i>Clinic</i>	Hamilton <i>Dispensary</i> <i>Medicine</i>	
2	Somers Obstetrics	Milroy (a) Bridges (b) Medicine	Gifford <i>Ophthalmology</i> <i>and Otology</i> <i>Methodist</i> <i>Hospital 1-2:30</i>	Aikin, Young Mogridge Nervous and Mental Diseases	Somers Obstetrics	
3	Goetz Therapeutics	Hull Orthopedic Surgery		Banister (a) Tropical Medicine Cloyd (b) (c) Life Insurance	Hunt (b) (c) Mental Surgery	
4	Klick Dermatology Recitation		Christie (b) <i>Pediatrics</i> <i>Child Saving Inst.</i>	McClanahan Pediatrics	Owen <i>Laryngology</i> <i>Sections</i>	Somers <i>Clinics by</i> <i>appointment</i>

(a) First Semester. (b) Second Semester. (c) Eight hours. Laboratory open Monday, Tuesday, Thursday and Friday, 8 to 10 a. m.

REGISTER OF STUDENTS, 1912-1913

SENIORS—9

Name	Home Address
Arnholt, Milton Frederick.....	Lincoln
A. B. 1909, B. Sc. 1911, The University of Nebraska.	
Cobb, Elliott Cunningham.....	Harlan, Ia.
A. B. 1910, The University of Nebraska.	
Haines, Frances Edith.....	Columbia, Mo.
A. B. 1909, A. M. 1910, The University of Missouri.	
Hammitt, Walter Frank.....	Garwin, Ia.
Harvey, Andrew.....	North Bend
B. Sc., 1907, Bellevue College.	
Laughlin, Joseph Wilson.....	Callaway
B. Sc. 1911, The University of Nebraska.	
Powell, Ward Hughes.....	Overton
B. Sc. 1911, The University of Nebraska.	
Stastny, Olga Frances.....	Wilber
Westervelt, Alfred Edward.....	Omaha
A. B. 1910, The University of Nebraska.	

JUNIORS—13

Burns, Hiram Delaney.....	Omaha
Erskine, Earl Bradley.....	Tilden
Goodnough, John Harland.....	Chadron
Gramlich, Ralph Clifford.....	South Omaha
A. B. 1907, The University of Nebraska.	
Harms, Charles Wesley Warren.....	Clatonia
B. Sc. 1912, The University of Nebraska.	
King, Dexter D.....	Lincoln
Kotlar, Frank John.....	Columbus
Moon, Charles Franklin.....	Ashland
Moyer, Torrence Calvin.....	Lincoln
A. B. 1911, The University of Nebraska.	
Pinckney, Charles Edward.....	University Place
A. B. 1908, Nebraska Wesleyan University.	
Scholten, William	Lincoln

THE COLLEGE OF MEDICINE

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Williams, Mildred Carnahan.....	York
Young, Blaine Augustus.....	Malvern, Ia.
B. Sc. 1912, The University of Nebraska.	

SOPHOMORES—23

Barry, Augustus Charles.....	Maywood
B. Sc. 1911, Bellevue College.	
Blomenkamp, August Ernest Henry.....	Lincoln
Bolibaugh, Oral Bevolvy.....	Holbrook
Cramb, Arthur Benjamin.....	University Place
A. B. 1908, The University of Nebraska.	
Geissler, Paul Christopher.....	Colorado Springs, Colo.
Greenberg, Abe	Omaha
Ham, John Paul.....	Benkelman
Heine, Clinton Daniel.....	Hooper
Johnson, Orville Dawson.....	Lincoln
Kerr, Robert Henderson.....	Lincoln
B. Sc. 1911, Fremont Normal.	
Lehman, Asa Margrave.....	Culbertson
Mason, Bessie Pearl.....	Beaver City
Meyer, Carl Augustus.....	University Place
Morrison, Harold Fleming.....	Lincoln
Moser, Reuben Allyn.....	Omaha
Munger, Arbor Day.....	Lincoln
Orvis, Harriet.....	Yankton, S. D.
Reese, Sydney Ober, Jr.....	Randolph
Rosenbaum, Harold Alvin.....	Harvard
Thursson, Paul Frank.....	University Place
B. S. 1909, Nebraska Wesleyan University.	
Warner, Ruth Ashley.....	Lewellen
B. Sc. 1906, Hastings College.	
Woodward, James Mac.....	Lincoln
Young, Alexander James.....	Omaha

FRESHMEN—33

Andrews, Raleigh K.....	College View
Aten, William Banta.....	Lincoln
Baker, Earl Elias.....	Havelock
Bastron, Carl Henry.....	Lincoln

Broman, Martin Robert.....	Lincoln
Carr, Ivan Nickell.....	Lincoln
Colbert, Fred James.....	Weeping Water
Curti, Ralph Elmer.....	South Omaha
Ekblad, Philip Richard.....	Cleburne, Kas.
A. B. 1909, Augustana College.	
Galbreath, William Robert.....	Greenfield, Ohio
A. B. 1910, Park College.	
Hanisch, Louis Everett.....	Rockville
Hoffmeister, George W.....	Imperial
Horton, Fred Lamerton.....	Newcastle, Wyo.
Kepner, Raymond Brandt.....	Havelock
Kline, Philip	Omaha
Lahniers, Thomas, Jr.....	Belvidere
Leonard, Earl Renshaw.....	Lincoln
Linn, John Lovejoy.....	Omaha
Losey, Ray Robinson.....	Fremont
B. Sc. 1912, Fremont Normal.	
Mesropian, Herbert Newton.....	Lincoln
Niehaus, Frederick Wilhelm.....	Lincoln
Park, Durward Belmont.....	Randolph
Riley, Wilber Kirk.....	Wisner
Rohde, Carl George.....	Columbus
Ross, William Lytle, Jr.....	Omaha
Sage, Earl Cuddington.....	South Omaha
Sanman, Louis Frederic.....	Diller
Shepherd, William	Rulo
Sinamark, Andrew	Fremont
B. Sc. 1912, The University of Nebraska.	
Sisler, Rebanis	Geneva
Thomas, Clyde Samuel.....	Lincoln
Walvoord, William W.....	Holland
A. B. 1912, Hope College.	
Webb, Adin Hilton.....	Lincoln

SECOND YEAR, SIX-YEAR COMBINED COURSE—36

Abbott, Joyce Haven.....	Grand Island
Andrews, Mitchell McCauley.....	College View
Arnold, Merton O.....	Palmer

Bocken, Frank Edward.....	Lincoln
Burman, Guy Elmer.....	Axtell
Carr, Allen Earl.....	Lincoln
Chappell, Elwood Blake.....	Osmond

Ph. G. 1912, The University of Nebraska.

Dacken, Victor R.....	Lincoln
Delzell, William Robert.....	Lincoln
Dore, Ruth Elizabeth.....	Normal
Farman, George Franklin.....	Rushville
Fuller, C. Rex.....	Emerson
Hough, John Walter.....	Lincoln
Johnson, Julius Andrew.....	Norfolk
Kingery, Lisle Byron.....	Tilden
Lake, Lilburn B.....	Lincoln

Ph. C. 1912, The University of Nebraska.

Martin, Otis.....	Central City
Meier, Louis Francis.....	Lincoln
Miller, Glen Harold.....	Harlan, Ia.
Montgomery, Earl Clifton.....	Omaha
Nedergaard, Nels.....	Lincoln
Paine, Myron Arthur.....	Lyons
Peyton, Wade Hampton.....	Lincoln
Riggert, Leonard Otto.....	Norfolk
Ross, Arthur J., Jr.....	Perry, Ia.
Safarik, Lumir Robert.....	Schuyler
Salisbury, Frederick Scott.....	Broken Bow
Schembeck, Isaac S.....	Lincoln
Sigworth, Dwight Chace.....	Stanton
Simms, John Hickman.....	Lincoln
Talcott, Vernon Vivaldo.....	Crofton
Thompson, Richard Yoder.....	West Point
Walker, Harold Hill.....	Mason City
Way, Charles Willard.....	Wahoo
Westover, Raymond Paschal.....	Rushville
Wildhaber, William Tell.....	Plymouth

FIRST YEAR, SIX YEAR COMBINED COURSE—40

Almquist, Elmer Hugo.....	Wahoo
Ankeny, Howard Lee.....	Lincoln

Ayres, Vern Uter.....	Beatrice
Bantin, Elmer William.....	Omaha
Beede, Clark Eli.....	David City
Bloedorn, Howard Benjamin.....	Franklin
Buis, Albertus Henry.....	Hickman
Cooper, Albert Lloyd.....	Fairbury
Crane, Jay Jarves.....	Lincoln
Edson, Lewis Ulmont.....	Lincoln
Folken, Garrett, Jr.....	Schuyler
Foster, Edward Bernard.....	Lincoln
Goggins, Arleigh Clare.....	Lincoln
Hamilton, Thomas Franklin.....	Lincoln
Hayes, Relxford Walsworth.....	Savannah, Mo.
Heilman, Earl Jacob.....	Lincoln
Hoagland, Ora.....	Plainview
Hollenbeck, Carl Francis.....	Sterling
Johnson, Rudolph Eugene.....	Omaha
Liebendorfer, Gene Forrest.....	Pawnee City
Linn, Julia Millen.....	Omaha
Miller, Arthur Lewis.....	Plainview
Morrison, Lloyd Samuel.....	Springfield
Mullins, Tom Peter.....	Broken Bow
Myers, Orris Reid.....	David City
Owen, Donald Robert.....	Omaha
Pfrimmer, A. Blonda.....	Lucas, Ia.
Philbrick, Guy Sterling.....	Creighton
Poska, Sidney Charles.....	Lincoln
Rasmussen, Anton Peter.....	Brush, Colo.
Sawyer, Pearl Washington.....	St. Joseph, Mo.
Schumacher, Henry Cyril.....	Humphrey
Thomas, Berkley Allen.....	Nelson
Thompson, John Clark.....	Sutton
Thompson, Kenneth Levi.....	West Point
Tschauner, Artemus A.....	Osceola
Walvoord, James Henry.....	Holland
Weigand, Guy L.....	Lincoln
Wiedman, Earl Vernon.....	McCool Junction
Wileox, Clifford Franklin.....	Lincoln

SCHOOL OF PHARMACY—48

Anderson, Harry Wallace.....	Clarks
Batty, Ralph Grant.....	Hastings
Bly, Mark Warren.....	Beaver City
Brix, Aage Emil.....	Lexington
Browne, Jesse Paul.....	Benkelman
Cone, Oscar Romaine.....	Lincoln
Cone, Owen Wendle.....	Lincoln
Corbin, Edwin Henry.....	Liberty
David, Russell Kirkwood.....	Crofton
Denton, Frank.....	Sterling
Detrick, Leonard.....	University Place
Dort, Edward Nelson.....	Auburn
Eby, Louis Richard.....	Hartington
Ernst, Howe L.....	Mt. Pleasant, Ia.
Fowler, Frank J.....	Lincoln
Gartner, Harry William.....	Hastings
Hansen, Elmer Marion.....	Lincoln
Harger, Chalmer M.....	Danbury
Hoag, Glenn Smith.....	Shickley
Howard, Marene Eliza Platz.....	Lincoln
Howard, Potter Pitts.....	Lincoln
Huntington, Merle William.....	Liberty
Irwin, Allen Robert.....	Genoa
Keebaugh, Clyde Albert.....	Mitchell
Kovanda, Rudolph A.....	Table Rock
Larsen, Antonius Andrew.....	Homer
Larson, Frederick George.....	Harrison
Lewis, Garland Edison.....	Anselmo
B. Sc. 1909, Grand Island College.	
Lindahl, Weldon Albert.....	Oakland
McMillen, Cecil R.....	McCook
Mitchell, Claude William.....	Lincoln
A. B. 1910, A. M. 1911, The University of Nebraska.	
Mortensen, James Weaver.....	Valparaiso
Osborn, Barbara Christine.....	Lincoln
Parsons, Verner De Witt.....	Havensville, Kas.
Peirce, Claude Alvah.....	Red Cloud
Perusse, Francis Joseph.....	Lincoln

Rasdall, Melvine Earl.....	Homer
Rogers, Paul Martin.....	Ragan
Schaufelberger, Ernest Walter.....	Fairbury
Stowe, Walter Herbert.....	Lincoln
Thomas, Richard Lee.....	Rushville, Mo.
Thompson, Guy Landis.....	West Point
Thompson, Loys Arland.....	Overton
Trautt, Thomas Joseph.....	Lincoln
Wallace, William Gordon.....	Havelock
Ward, Nellie Marguerite.....	Lincoln
Worthman, Henry Fred.....	Lincoln
Young, Olivia Mildred.....	Lincoln

UNCLASSIFIED—33

(Including Dental Students registered in courses reserved for them)

Alldritt, Roscoe Vance.....	Lincoln
Barnum, Earl.....	Aurora
Barry, John Patrick.....	Wahoo
Butz, Fred T.....	Talmage
Casper, Robert William.....	Primrose
Daily, Sutton James.....	Tobias
Donovan, Donald Dale.....	Valentine
Dorwart, Yule Wallace.....	McCook
Draper, Elton Worden.....	Lincoln
Emal, Lloyd Filmore.....	Deep River, Ia.
Fonda, James Everett.....	North Platte
Hansen, George Harold.....	Fairbury
Hollingsworth, Robert Mark.....	Arapahoe
Hooper, Bert Lester.....	College View
Houlette, Dale Gardner.....	Ravenna
Houlette, Leslie Reede.....	Ravenna
Hubenthal, George William, Jr.....	Beemer
Hunt, Glenn Howard.....	Lincoln
Hunt, Loren Thomas.....	Lincoln
Ikari, Shigeshi.....	Kagashima, Japan
Kirschner, Harold Harpster.....	Liberty
Klein, Ernest Frederick.....	Lincoln
Kloppel, Henry Raymond.....	Leigh
Miller, Harold Humphrey.....	Friend

Miner, Walter Howard.....	Ravenna
Neville, William Dennis.....	Fairbury
Ough, John Clam, Jr.....	Benkelman
Reynolds, Clarence Clarke.....	Lincoln
Rodgers, Clarence Edwin.....	Osmond
Rousey, Alva Linton.....	Grand Island
Ruzicka, Joseph Edward.....	Geneva
Ubl, Joseph Lumir.....	Prague
Westfall, McKendree Hayes.....	Lincoln

SUMMARY OF STUDENTS.

Seniors	9
Juniors	13
Sophomores	23
Freshmen	33
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Total in four classes.....	78
Second year, six-year combined course.....	36
First year, six-year combined course.....	40
School of Pharmacy.....	48
Unclassified	33
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Grand total	235

